



09/428,674  
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SEQUENCE LISTING

TECH CENTER 1600/2900

Attachment  
to #8

<110> Nehls, Michael  
Zambrowicz, Brian  
Sands, Arthur T.

<120> NOVEL HUMAN POLYNUCLEOTIDES AND THE  
POLYPEPTIDES ENCODED THEREBY

<130> 8535-0029-999

<140> US 09/428,674

<141> 1999-10-27

<150> US 60/106,442

<151> 1998-10-30

<160> 1008

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

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<210> 2

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 2

gccatggctc cggtaggtcc agag

24

<210> 3

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 3

tggctaggcc ccaggatag

19

<210> 4

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

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BEST AVAILABLE COPY

<400> 4  
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 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Primer  
  
 <400> 5  
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 <210> 6  
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 <213> Artificial Sequence  
  
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 <223> Primer  
  
 <400> 6  
 tacagttttt cttgtgaaga ttg 23  
  
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 <220>  
 <223> Primer  
  
 <400> 7  
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 <210> 8  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Primer  
  
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 <210> 9  
 <211> 184  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(184)  
 <223> n = A,T,C or G  
  
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 aagtgagcaa atcttgggaa gatttcaagc acaccaacat ggcacatgta tacatatgta 120  
 acaaacctgc acattgtgca catgtaccct aaaacttaaa gtgtaacaat aataaaattt 180  
 tttt 184

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<210> 10
<211> 309
<212> DNA
<213> Homo sapiens

<400> 10
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ctggcgaaaa gcattcggca agattatccg gctagcacag cttcaagga ataaatatct 180
aacaccttgt tccctttgcg gttcaaaagc cactgtcact ggggtacata ggcagtttta 240
aaaaaggcta caattcatat gcaaactaga ggaggatttc catgatttca taataaaatg 300
ttgaaacgc                                     309

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<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(143)
<223> n = A,T,C or G

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nttctagagg acaactggca gtctccttgt agctgagact ttttgtgta taaaaattaa 120
taaaattggg ttattaattt gtt                                     143

<210> 12
<211> 210
<212> DNA
<213> Homo sapiens

<400> 12
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gacagagatg ggggttttgc catgttgccc aggctggctc caagctcctg aactcaagtg 120
atcttcccac ctaagcctcc caaagtgtgc ggattacagg catgagccac gactcccagc 180
ctgaaatata gattttaatc ttcagcttgc                                     210

<210> 13
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(453)
<223> n = A,T,C or G

<400> 13
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actgatgaca ttccaccatt gtgatttggt tctgccccac cgtaactgat caatgtactt 120
tgtaatctcc cccaccctta agaaggttct ttgtaatctc cccaccctt aagaatgttc 180
tttgtaattc tccccaccct tgagaatgta ctttgtgaga tctacccctt gcccacaaaa 240
cattggctct gactccaccg cctatcccaa aacctataag aactaatgat aatccccacca 300
ccctttgctg actctctttt cggactcagc ccgctgcac ccaggtgaaa taaacagcct 360
tgttgctcac aaaaataaaa aaaaaggcca gcgaggccaa ttcagcttgg acttaaccag 420
gctngacctt ggttnnaaaag gggggctccc ccc                                     453

<210> 14
<211> 344
<212> DNA
<213> Homo sapiens

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<400> 14  
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 tggacttttc acttccaaaa ctaatttcgc tcttggtgcc caggctggag tgcaatgacg 120  
 agatcctggc tcaactgcaac ctccacctcc caggtttaag tgattctcct gcctcagcct 180  
 cccaagtagc tgggattaca ggaagaaaaa tggaaactaaa aagggaac aatagcaaca 240  
 aagatcaaaa taaataacaa ggaagcggag agaagaaaga acatggtgaa gagagtgaaa 300  
 agcattgtca tttgggtga attgcagaaa gaaataaatt attg 344

<210> 15  
 <211> 473  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(473)  
 <223> n = A,T,C or G

<400> 15  
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 aggagcgaga tctttgacac tacctgcttc ccacactgct gctgccttgt ctgggctgga 120  
 gctgtgctaa gagcagttct aggacagatg aggagacaac tgttctgccc ggggctaagg 180  
 actgaacctt ccaggtctac atttctcttt gccatactgc tctgggctct gggggttgac 240  
 ctgaatggac cacacagcca tgggtgtctcc tgtcctccac cttcactggt gaagactggg 300  
 agtgagggaag aagagtgaga ttgcaccctc tctgcaggac catgggcaga ccctgcccct 360  
 tacctcttct caggggtctc tcttctctcc tattaacttc tttccatttc cctnattaag 420  
 ccctttgntt tggttttttg gganattgac ggcennacc ttttgaaaaa ttg 473

<210> 16  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 16  
 gagtctactg acagaagcca aaggttgctg ctagtttcag ctccctgggtg ttcctcatta 60  
 ttttcaaaaa tgtctgactg catcttttgg acattataaa aaccacagta ggaaaaaacg 120  
 ccagctatct caatggacca acaaagttag actccaaagt gagccaagaa gtcctcaaag 180  
 cccttcctaa aggatggagg aacacatgaa tatatacatc aaatcctcct tccacagaga 240  
 ctactgaag ggaatgaaga agggaaaagt cctcctaatt attaagatgc gttccttggg 300  
 actcggagaa ttagggaagga aacccccaaag tcttgaatac atttctctaa agaggccgaa 360  
 tacttaataa tcaggggaga ttaaagcaaa tgggagaccc ctt 403

<210> 17  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(445)  
 <223> n = A,T,C or G

<400> 17  
 agacgggggt ctcactacgt tgcccaggct gatcttgaac tcctgcctca aatgaccctc 60  
 ctgcctcagc ctcccaaagt gctgcgatta aaggcacaag ccactgtgcc caaccaaagg 120  
 gtcttgctct gtcgccagg cttagagtga gtggcgcaat cttggctcat ggcaacctcc 180  
 acctccggg ttcaagcgat tctcctgcca cagcctccc agtagctggg attacaggtg 240  
 cctaccacca ggcccagcta aatttttttg tatttttagt acagacgggg tttcgccacc 300  
 ttggccaggc tgggtcttgaa ctctgacct tgtgatctac ccacctnagn ntcccaangg 360  
 gctggnatta caggggggag agaccggacc cagccacctt actgngtttc tgantgnnnt 420  
 ttcctttcct ttccttttcc cttaa 445

<210> 18



<211> 486  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(486)  
<223> n = A,T,C or G

<400> 18  
agacgggggt ctcactacgt tgcccaggct gatcttgaac tcctgcctca aatgaccctc 60  
ctgcctcagc ctcccaaagt gctgcgatta aaggcacaag ccactgtgcc caaccaaagg 120  
gtcttgctct gtcgcccagg ctagagtga gtggcgcaat cttggctcat ggcaacctcc 180  
acctcccggg ttcaagcgat tctcctgcca cagcctccc agtagctggg attacagggtg 240  
cctaccacca ggcccagcta atttttttgt attttttagta cagacggggg ttccgccacct 300  
tggccaggct ggtcttgaac tcctgacctt gtgatctacc cacctcagtc tcccaaagtg 360  
ctgggattac aggtgtgaga gaccgcaccc aggcacctta ctgaggttct gaatgntctt 420  
ttcntttctt ttcttttttc ccttaaattg gcccaaagtt tnatccttgg ctttttttac 480  
tggtta 486

<210> 19  
<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(443)  
<223> n = A,T,C or G

<400> 19  
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nntgcggaac ttagaaacag agnttcacca tggtggccaa gatgggctng atntcctgac 120  
ctcgtgatcc gcccacctca gcctcccaaa gtgctgggat tacaggcacg aaccactgcg 180  
cccggcccaa aatgaaagga gcccaggcc tctcaaaaag tatgaaagaa ctggaattca 240  
ccagatcatc acatccagac aatgagacac caggccctc attcatcatg atggcttctt 300  
taccctatg gagttcctgt tttcccttag atagttacat ttcttcctg ctatataaac 360  
ccctaatttt aagtcaatcc cgaagacgga tttgagcttc aagcttccat cttctttggc 420  
tgnagaacct gggttaaagc ctt 443

<210> 20  
<211> 360  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(360)  
<223> n = A,T,C or G

<400> 20  
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cacctcccgt gttcaagtga ttcttctgcc tcagccacca aggcgggctg cccaaagtgc 120  
tgggattaca ggtgtgagcc actgcacctg gcttagaaat cttttcattc tttcaacatg 180  
aatcctgctc ttagaatcac agagtacaaa gcttctctgg acagggtggg aaactgaggc 240  
tccgagttgc ctatctgatt ctgaggacac agcaccctcc accagcacac ctggcacttg 300  
ctttgtatat tagtgtcatt cggcacaagt tagtggaaaa tannagcata atatatagtc 360

<210> 21  
<211> 212  
<212> DNA  
<213> Homo sapiens

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<400> 21
gaaccaagac tccttggata agtggctgat tccagaggta tagcagataa agtataaggt 60
cttcagaatg agagaagata tgccaaagac tttttatcta tacctgttcc tgttatgatg 120
atgaaatcct ggactactag actgaatctg ataccaaaat tggaagagtt tttgggtatc 180
ttgggagagg acatttttggg tgtgcttgca tt                                     212

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<210> 22
<211> 456
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

```

```

<400> 22
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tagagaanat ggctagggta gagcacacaa ggagagcagg ttcagggaga gatgaagatg 120
agaccaaagc gggaagagtg aagggaaaat taacctcccc ttgctgagac gtgtgacact 180
caaggcccaa atcagaaaaac ttctgcttga ggaaacatta ctctttcctc catgactgct 240
ggtggtatcc atctgtcaga ctccctgagc cttgatgccc ctccactcctt ctgctgtgga 300
gtaggaacgt gaaacacaaa cagtcatccc tccaattcct ccaacccatg ggggattggn 360
tccatgancc ctaacaaaaat accaaatttc atggatgttc aagtcacctta ttgcaaatgg 420
gcatggtatt tgcataataac ccgatgcaca tcccccc                                     456

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<210> 23
<211> 350
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(350)
<223> n = A,T,C or G

```

```

<400> 23
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ggattgttga gctgaagaca attaagaaga aacagatgca ggaaagctct ctgccctcca 120
tttgcttaaa tgcaggacag agatttacia gataaaagac atcctgcccc tgtcttttac 180
cagggngaac aaagggttaac cactgaagac agtttttagac cattatctgc caggagtagn 240
agncagagga atctacctga acatgcttta ccaactcgct tttatctgcc ggttacttgc 300
tttcccgcag agaagtcctn cnnganacnn naaagtcctt tttcttttgt                                     350

```

```

<210> 24
<211> 457
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

```

```

<400> 24
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gcgggcggat cgcgtgaggt caggagtcca agaccaacct gctcaacatg gcgaaacccc 120
gtctctacta agaatacaaa aattagccag aaagaaaaaa ttccgagtc tccacttggc 180
aagatggagg aaagaaaagc ttttgagggg gaatgagatg ggacctgcca gtgctttctc 240
tcagacagtg ctggggagggc tcttctgaga tcccatctcc cattctctag tcaagatcac 300
tggctcctgc ctgggtcctg gcactggctg gatgaagtct cagaatttgc tcctgcccc 360
aggcagaggc cctcatgcaa atttgagctg tttccagtcg cttcagccag aagtccattt 420
tgcttggnng tggacccttc ttttcttctt ggatggc                                     457

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<210> 25  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
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 <223> n = A,T,C or G

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 gacagagatg ggggtttcgcc atgttgcccc ggctgggtctc aagctcctga actcaagtga 120  
 tcttcccacc taagccnccc aaagtgtctg gattacaggc atgagccacg actcccagcc 180  
 tgaaatntan nattntaatc tntcagcttg taantanana aaaanngtnc ggngagncna 240  
 ntttngttn nntnttaate ccgcctt 267

<210> 26  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (346)  
 <223> n = A,T,C or G

<400> 26  
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 gagaaaaatgc catgtgaaga tggatcagag acagaagtga tgcggctgca agccaaggaa 120  
 tgtgaagaat ggccagccac caccggangc taggggagac gccagcacag attctccctg 180  
 agagtatcca gaagaaacca accctccaac acctggattt cagacttctg accttnagaa 240  
 gtngagacca attnancatc tgtagtntt tactcttcc acctnaaann tataaaaaata 300  
 tnttntctc nccccaccct tttntttcat nttcttttct ttactc 346

<210> 27  
 <211> 502  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (502)  
 <223> n = A,T,C or G

<400> 27  
 taacatattt aagagatacg gagcatcact agcagtacta aaaataaagt taaaagtcgt 60  
 tgacactagg ccgggcgcgg tggctcacgc ctgtaatcct agcacttttg gaggccgaga 120  
 tgggcggatc acttgaggtc aggagttcaa aaccagcctg gccaacacgg tgaaaccag 180  
 tctctactaa aaatacaaaa acattagccg gatgtggtgg caggcgcctg taatcccagc 240  
 tacttgggag gctgaggcag gagaatcgct taaaccttgg aagggggggg ttgcagcgag 300  
 ccgaggtcac accattgcac tccagtctgg gtgacagagc aaaaccagta gcagaggaaa 360  
 gagggtgaaa tgcagaaaat gactaatgct tttcatagta agnccgctat ccatttgntt 420  
 tttnaaaca nctatctnng cnttnaaagn ntttttttnt antaaannna ttttnnnagc 480  
 ctttccatna aaaaaacagg gc 502

<210> 28  
 <211> 104  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

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<222> (1)...(104)
<223> n = A,T,C or G

<400> 28
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ngacactagg ccgngcgcn natgacctt tgagcaagtt cagc 104

<210> 29
<211> 260
<212> DNA
<213> Homo sapiens

<400> 29
gcactgaata aagaccattc cttcaagcct acgtggaatc atgagccaca cagagtagca 60
tcgccagagg gaacagaaag tcctcacttg ataccggcag aaacaggaac agggttagggt 120
agtctccggc aggctgggtca gttttgatct ttacaacttg ggttgatgat cacctcagcc 180
ctaccttcaa aagcgattcc tgtccacagg gggttggtaac tgccttcccc ttacacaaa 240
aaacaagaaa aaaaatgggtg 260

<210> 30
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 30
ttcccaagaa gcctccaggt tgagctcctg acttgccggac cctgaggcag tgtggcaggg 60
tgagaggaca caggctctgg agttcccggg acccaagcac agtggctgca acttcctngc 120
gttggctgtc aaaaaaggaa acttaagcag aaatgcccag ctgtgatttc tcttctccaa 180
cttcccgtgt ttgacgtgag gtgtataggc tggaaatgcc agctccctgg ctgctgaagg 240
agagactctg cagtctctcc tttgtgattc ttgcagctgc tgaaagatac catgtcttca 300
gtgccagagg atcaacaaag aaaaacaact tggcctcaca tgataatgac cccaagtgggt 360
tggtaagaa aaagaagtgg caatgaatga acagattata catttctttg aagaatttga 420
ctgag 425

<210> 31
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(533)
<223> n = A,T,C or G

<400> 31
cattaagtca gaatgagacc ggcgctcagt gagtgcattga gtgagttagc ggntgaccag 60
cgactatnca ncatgaatga atgacagact gaatgacatg aagcctggag tctcaaggcc 120
gagactgcaa aagaagagtc catcctccta tcccctctgc tctgaactct cttcatgata 180
ctgaagggtgc tttggcacct ggagactact ngagccagcc ttgccgggggt tctaactctga 240
actcagatca cttcccagct gtgtaacttt ggacaagttc ttaacctctc tgtgcctctg 300
gtcccttctc tgtaaaagtg tagtcactng gcctggcgtg gtgggctcac gcctgtaatc 360
ccagcacttt gngaaggcca aaggcaaaac caaatcactt gaggttcang nagtttttaa 420
agaaccagtc ctgccccaac cantggnttg aaaaaccctt nttttntna ctaanaaaac 480
acaaaaaaa ttaaccncn ttgttanggg ggcaancccc cctttataat tcc 533

<210> 32
<211> 337
<212> DNA

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<213> Homo sapiens

<400> 32

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gattttaagaa gcaaacagaa atagagccaa ggatggagaa actgaggcca cctgacttgc 60
caagctgcga cttctaatac tcttgggtac cccactggtc tggttcaacc tgagctcgca 120
ctgatttttt tggatttgac gtcaaggcaa acatcattgc aaactcaatt ccagcatgcc 180
agctccagag caccgtaacc tttaaaaact tgggatttcg ccgggcgcgg tggctcacac 240
ttgtaatccc agcacttcgg gaggccgagg cgggtggatc acctgaggtc aggaatttga 300
gatcagcctg cacaacatgg tgaaaccccg tctctac 337
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<210> 33

<211> 274

<212> DNA

<213> Homo sapiens

<400> 33

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gtgggggtctt tcaatataac tgctgtcctc atgaaaagaa gaaaacatcg tatgaagaca 60
gagatgcaca gggagggcgc tgtgtgaaga tgatggcaga ggttgacagag atgctcaaag 120
agccaagaac atcaagggcc gccggcacca ccagaagtca ggaaaaggca aagaggggttc 180
cactcagagt cttggagcat ggcctcccga tgcttgatt tcagacttct agcctgcagg 240
atgataagac agtaaattcc tgcagtttta agcc 274
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<210> 34

<211> 290

<212> DNA

<213> Homo sapiens

<400> 34

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acacagcatc atctctaccc ataaaagatg gcattctgca agactgagaa gatgcccacc 60
tccattccca gagtccaggc cttcattaac tcacacgaga actacagaag catcacccct 120
agttctccta ttagtcactc ctctcaact gcctctaata catccatcca tctatccggc 180
atgggtcatg taaagttaca gctgagaagg tactccctct cttaaactcg tcgggggtcc 240
atgtggcttc aagattgaaa ataaaactac tgcgtatggg atataaactt 290
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<210> 35

<211> 384

<212> DNA

<213> Homo sapiens

<400> 35

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gagaatgata aggggagaga gtaagaaagc aatgagatac acatgtcttg actgcttctc 60
ttcatgctga aatcctgggg gaaagaagtg ctaaatacag tgaggacatg ggaacattta 120
ttctggaaga aatttgggta cagagacaga caagcaccaa gagaagatga tgtgaagaag 180
cacagcgaga acaccatgtg aaaatggagg actggaatga agcatctaca agccaggaaa 240
tgtctgaggc taccagaagc caggagagag gcctggaaca gatcctgcac tagaaccttc 300
aaagagagca tggtcctgct gacatgttga ttttggactt ctggcctcca gagctgtgag 360
aataaatttc agttgtttta agcc 384
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<210> 36

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(516)

<223> n = A,T,C or G

<400> 36

```
ctgggggtca aaaccgantc ggctggcttt tggcctaggn ttaaaanggc tanccntgat 60
cntttaccaaa cntccctgnt ttccgcnttt tttgggggga ggacnaccgc ttcctgaacc 120
agttctgggt ttccacttta ttcaaaaagg gggaagttca agccttttan caaatatccg 180
gctgggatca atgatataac attctggggg gcctcttgga aaattacccc caaaaatgat 240
```

tttctatgac	ttaatcccga	acaattttgga	gggaaaacct	ggtgggaaaa	agggtgatct	300
catagacaaa	gnttggtnc	ttccaaagac	gccccaaag	ccagccactg	nttcccgc	360
nacgttcccg	gcccatgtgg	aacggacttt	tntncccaaa	aaaaagggtc	aggccccatt	420
ccnccaaggc	ctttgcaagg	aagnttgcaa	ntcccaactt	tttttgggtg	ttgggnanggg	480
caagggttnt	tgatgtcanc	accttttact	ttaagg			516

<210> 37  
 <211> 481  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(481)  
 <223> n = A,T,C or G

<400> 37						
ttatgatgga	tttattggga	cataacccca	ttctaagttg	aggagcatct	gtacatgtat	60
aatggaattg	cacaaagaag	tgattgcaga	tggtggaagt	cagatttctc	aatggtgcag	120
tggtaaagta	caataggcaa	aagggagggg	gctanaatga	tctttagtga	tgaattagaa	180
ttggagacat	cagtatgact	cttatttagc	ttaatgtagg	tacaaaagg	cacctattaa	240
aatatttatg	aatgtgacta	tatacatggg	ttaatatgta	aacatgttac	ttgctctgtc	300
agctgaaacg	acctaaaagt	aatgactctt	gtactcccag	tagcaatgag	cactctcagt	360
gcccagatct	tggtctttta	tatgtttccc	caataaaagg	aaccaggggt	ccttggaana	420
tgccaatttc	taaaattggg	gcaggaaata	tgtatgatga	gttgagat	attcttatgc	480
c						481

<210> 38  
 <211> 491  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(491)  
 <223> n = A,T,C or G

<400> 38						
gacaaacttt	gccaaggag	aagctcaatg	gactgttgac	ctcttgtgaa	tgagatcat	60
ctcatcta	gtatttttct	ccacaaacag	aagtaattta	aatgacatct	tgccagagta	120
gccaataatc	aacaatggcc	acttcttcca	ctcccaagtt	ggctgaattg	caatgggacg	180
atctcggtt	accacaacct	ccgcctccc	gggtgaagcg	attctcctgc	ctcagcctcc	240
caagtagctg	ggattacagg	catgcaccac	cacactccgc	taattttgta	tttttagtag	300
agacgggggt	tctccatgtt	ggtcagggtg	gtctcggacc	cccagacctc	ggtgatccgc	360
ccgcctcgac	ctcccatagg	gctgggttta	caggcgtag	gcactacgcc	cggccataat	420
ttttaaacat	ttttctgttg	gcacctgccc	ggaccatnga	ttttaaatga	tctacttaca	480
tgatggggaa	g					491

<210> 39  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(323)  
 <223> n = A,T,C or G

<400> 39						
gtctctccaa	ttccctcagc	tatccgggg	tacataaatg	aactcatcac	tagaggcctg	60
caccatcttc	ctgctgcct	gcagcccaca	ggattaaaca	caaccaaagt	ccctgcctgg	120
agaaagagga	gctgaatcac	acacctcagg	atggagaggg	tcttcagaga	aaggaaattc	180
tcattgggga	tgaaatgtt	aaaagctagc	ccaaagcaca	ctacgtacat	gcaggagtgtg	240

```
cctaaaagca catatgatta aaaactccaa agaaaacgca aacncttttg gattttacgat 300
actgtaagat agctcccacc tct 323
```

```
<210> 40
<211> 496
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(496)
<223> n = A,T,C or G
```

```
<400> 40
gtatattatt aaaagcgaag attgtggaaa tttctgtctt attactgaac acagaggaaa 60
acaaaatctt cctgattgat gaaaaaccag tggtgtatgt gggtaagctg gtgacaatga 120
ctccaaagat catccagaac cttcacacca aggagggatt ggctaaccat ggactgaaag 180
aaggggacaa ctggatgagg agctggtaaa gccagaaaat ctcaggcgtg tgctcaccan 240
ggtgacagat gagaccttct gatgctctct tgcccgtgca cacttccatt ctctgagtct 300
tttgggtcaa gatctgagct ttcagggagc acaccaatgg catgaacctc tctgatgcct 360
ctgagcccag ccttagcatt ctcttcttca tgagctacta cctgtctaca gcagccaaca 420
actcttctgt caaactcttg ggtctatgcc anggtaaaaa ccataaagna ctgcaggtgg 480
cttaaccctt tgagga 496
```

```
<210> 41
<211> 331
<212> DNA
<213> Homo sapiens
```

```
<400> 41
aacctctgtc catgagcaat ggatgacctc aggacaagaa tgcaataact tggcctgatg 60
ttgtgaagtc acggtccatc cagggatggg caagaggatg accagaacca tctcgagagg 120
ggctgggaaag ctgcctcacg tatgtggtcc tgtgctgtgt ctacatgttc ctcactcgcc 180
tctacaacgc tcatggcacg agggaggaaa tggggtgcag aggctaagga acgtgcccaa 240
agccctacag ctggtgtatt agtaatctac tgctgtgtaa ccaattgccc caaaatttaa 300
atgtgtaaaa caacaaagac gtctaactca t 331
```

```
<210> 42
<211> 238
<212> DNA
<213> Homo sapiens
```

```
<400> 42
ggagggagaa gatcccatag cagctttgca gtcccttact gatttatgct ctggaagata 60
agacacgctt tgcaagattc agctgacgca gaactgctgt gtcataattac tttctttgtc 120
ttgctggaaa gaagtgcaaa atacctaagg aaacctcctt gtggcctcca ttaacccag 180
ctagcaccta ccaaaccagc aaaatccgaa atatgattta aataaattat gcttaaag 238
```

```
<210> 43
<211> 565
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(565)
<223> n = A,T,C or G
```

```
<400> 43
cctgctttta ttcanaactt gaaggacatg gncccgcgga gggagaagat tcattcgncc 60
attgaccccg aggganggnt tttnacttcc cgccgcctcg ggatgcgggg cttcttttnt 120
tcttccaaca cattcttggc ttcatctatg ggcccgaag aatcttggcn aatggcccaa 180
tgtccccccc agattcccc agaanggggt caccagaat ccctaaaacc atgccgaang 240
```

gaaagcttcc	catcaaaaaat	ttggtcaagg	gcnatatcat	caaaggggaag	tattgccacg	300
aagaaccaat	cgggggggaa	cngggccggg	angccccggg	aagttttccc	ggggaagaaa	360
cgaagccaaa	aaagccgcca	ntncctgggg	gcctttgctt	gggaagaaac	cttttctaaa	420
aaanggccac	cctttggggc	ccttgccgcc	atcattggga	cctttttttc	aagcttttcc	480
cttccccaag	ggaatcaaag	ttttctttac	cacccaaactt	cnttgtgtng	gcnttttttg	540
ggaccaaaaa	tttaaaaagc	tttag				565

<210> 44  
 <211> 684  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(684)  
 <223> n = A,T,C or G

<400> 44						
tgggggggag	cttaccttgg	catttttaaag	ttcaanaact	tggagggggtt	tggagggggtc	60
ccagttttacc	ttggcaacca	ttccaagtta	ttttggaaaa	aaaggaatgg	aatttttttg	120
cttttcattt	tggcaccttg	gccctttttg	gctttttctt	cgggtccaaa	aggaattttc	180
ccttaaaagg	ggaaaaaaat	ggggggccac	ccaccacaag	aaattccctt	ggggaagnaa	240
aatcctggct	tcccaaaaagn	aaaccttgga	ttaaccccaa	aagnaaat	tggggattct	300
tgggaagnaa	gggtaagnaa	aggggaaaaat	gggaaattcc	ggtaaaagntn	ggggaattgc	360
cttgccattt	tggtccttac	caattcttcc	ccttttaagg	gaaccttcca	aaaaaggaac	420
ctttttaagg	ttccttttcc	ccaaggggtn	ggccccaagc	cttgggaattt	taacccttc	480
cccaagnctt	tggttccaaa	ggggcccctt	tcccctttgg	gggaaaaaac	ctttgggggg	540
cctttccaaa	ggccttttgg	gaaaggaagg	naaaaccctt	gggggccttt	ttaattttnc	600
cccnaaggna	aattcnaacc	aaccttttnc	cccntttttt	ncccttttgg	ggggggaaaa	660
aggttncctt	taaccaattt	ttcc				684

<210> 45  
 <211> 259  
 <212> DNA  
 <213> Homo sapiens

<400> 45						
acatgggggt	ctcactgtgt	tgcccaggct	ggagtacagt	ggctattcac	aggcacgata	60
attgggtata	atagcctgga	actcctggac	tcaagtgate	ctcttgcttc	agctttccta	120
gcagctagga	ctacaggctt	gtgccactgc	atccaacgtg	gacccctttt	tgtatgccac	180
aatctatcca	gtgcctttcg	ctaagctttg	caatttccct	cctatttgta	atattaatgg	240
tttatacttt	ttgatttat					259

<210> 46  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 46						
gacaaaaaca	atgacagact	tgtccgagct	accatcgaag	tcttgggtct	gcacgcaaag	60
gatgggaatcc	cccatctcca	ttcccaaaaag	tttccctacg	ggagcctggg	gttgtctcct	120
ccggaactgt	cctcgcggtt	gcctgttttt	ccctagccat	ggttactgcc	tgcgggggat	180
tcagcctgtg	aaggcagtca	aggcagttca	ccactgtcat	caaacctaca	cccctgtgtg	240
catgcgcaca	cacacttgta	accagtggtc	acaatgcagg	aattagggaa	gcaaaggcaa	300
atcgctgaat	agctagggca	cctgatccct	gtaagggccc	atcaag		346

<210> 47  
 <211> 203  
 <212> DNA  
 <213> Homo sapiens

<400> 47						
atcaatgaaa	caagaacaaa	gaggagaatc	aggaagtcag	cagtatgtct	cctttattcc	60



```

cctatgcttt agagtggagaa gaaataccag aatctggaac caggaagtga gtcctctagg 120
gatgaggagg tattcagctg gatggctttt taaaacattt cctccagagt cttctgcctg 180
attaaaaaca gttttcgtcc tag                                     203

```

```

<210> 48
<211> 213
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(213)
<223> n = A,T,C or G

```

```

<400> 48
ctgagatcaa tgaaacaacg aacaaacgag gagaatcacg gaatgtcagc angtatgtct 60
cctttattcc cctatgcttt agagtggagaa gaaataccag aatctggaac caggaagtga 120
gtcctctagg gatgaggagg tattcagctg gatggctttt taaaacattt cctccagagt 180
cttctgcctg attaaaaaca gttttcgtcc tag                                     213

```

```

<210> 49
<211> 341
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

```

```

<400> 49
gatcaaagcc atcaagctac aaatgatctt acaaatggaa cctcaaata gctcagctca 60
cggtcttctac cgaggacccc tggatcaacc cgctgggtccc tcaattaccc tagaaaattc 120
ccctctggag gacaccaaac tgcagggccc cttcttcacc cctaaccagc aggaagtagc 180
cagaacgact gccacacggg tccaacagc agttgggggtg tcctgttttag aggcaggact 240
gagaggaggt gccagctggg ctctctgggt caaggaaggg ggtnaaaaaa gctgngaaac 300
tcactcattt cctgcatcag gacttacttc agtcctgttt t                                     341

```

```

<210> 50
<211> 337
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(337)
<223> n = A,T,C or G

```

```

<400> 50
acaaagaagt ctctgcccag ggtcggtgct tttaaagata ttctgatgca aaatgccagt 60
actctgctcc tccattctac agatcaacaa atctttctac agccagggtgc agggggctct 120
tgctgtaat cctagcactt tgggaggcca aggcaggcag atcacttgag gtcaggagtt 180
tgagaccaac ctggccaaca tgatgaaacc ccatctctac taaacatata aaaacattag 240
ctaaacatgg tgtcgcacgc ctgtcgtccc ancttctnng gangnttgag gcaggaaaat 300
cncttgaacc tgggaggtgg aggctgcagt gagctcc                                     337

```

```

<210> 51
<211> 308
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

```

<222> (1)...(308)
<223> n = A,T,C or G

<400> 51
gtttcagcag agcagcttta ccatttgggc tgggtgaggcg agaattatcc tgtgaagggt 60
attctataga tctgcgatgc ccgggcagtg atgtcatcat gattgagagc agctaactat 120
ggtcggacgg atgacaagat ttgtgatgct gacccatttc agatggagaa tacagactgc 180
tacctccccg atgccttcaa aattatgact caaagggaca tctctgaagg tctctgccaa 240
ctccagagct cccgccctga ggaatttgct gggcttttgt tgcgantgnc tngaagttcg 300
ccctttaa 308

<210> 52
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(331)
<223> n = A,T,C or G

<400> 52
gctggagtgc aaaggcgcca tctcggctca ctgcaacctc cgcctcccag gttcaagcga 60
ttctcctgcc tcagcctcca gaatagctag gattacaggc gcatgccacc acgcccggct 120
aatttttgta ttttcagtag agaaggggtt tagccatgtt agttagccag gctgatctcc 180
aactccgacc tcaagtgatc cgccgcctc ggctcccaa aatgctggga ttacaggcat 240
gagccaccgc gccagcccc aggcaacata ttttcttaag gnanccttta anaaggccat 300
gcatttccac atttccacac ctttcattac t 331

<210> 53
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(322)
<223> n = A,T,C or G

<400> 53
tttttagcct ctgaattaag agttctgcat aggtagccat ggtgaagtct ggaaacacgt 60
tctcagtgcc tcaaccagca gctacaagtc agagtcaagc ccattatgac cccttcttcc 120
tgcttgagct ttggccccag atattctgag aggggttggga tctccaggg catcgacctc 180
acagctctgt cttctgtcct gagctcttct cctggcatgt aaattcagga ctgagataag 240
ccctgccctt catagccacc ttggatgctg cgtgactacc tgngaattcan ggaggactgg 300
aaaagacatt agggagggtta cc 322

<210> 54
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 54
atttctggaa ataaattcca gaataagagt tcatcctgcc gatccagagc cacagtttgg 60
agacgctgca ttcctagatt gaaggcctgg ctccctgggtg acagccttct ctctaaagct 120
actctctcca ggttctggca actgcagcca aaggggccaaa gtgtatgact caggagtgtt 180
acttgaattc ctggaaccag ctatgcctga agtcaatcca ttccagttgc actttcttca 240
ttctaaatct ccctgttctt tcaaggatgc ctgggttgcg aacngggntt ccngganggg 300

```

taatgacaaa gnggcttatt ccccataaat

330

<210> 55  
<211> 325  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (1)...(325)  
<223> n = A,T,C or G

<400> 55  
angcaaaaaca tcgcatcttt ccattttata ggacaatgcc aactcctgaa gatcttgctc 60  
taagtgggtca aaggggtgagc atactgcagg caacaaaaga tcgagcatac tacaggcaac 120  
caaggggtcaa gacaaaattta caggatccct ccctaccgtg gccactaccc agcttcccag 180  
tagtgccttc ctaatttgct gcccatggta atggagacaa atacctgcag aagaacataa 240  
tcaaaactca aaggaaaagta aggaggagca agttttttta aaaggggattc cagttggcaa 300  
tcctcttggt actaattctt gttga 325

<210> 56  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(330)  
<223> n = A,T,C or G

<400> 56  
aatcccaaaa ctcaatgagg acacgttttc ctcccgagaa cagcagaatg gtaacaaaga 60  
acacatgaaa agaaaatgct ttcaaggacc aaaggaattc atctacaaat atggaatttc 120  
cagcatggaa gtcagtgaca aagccctggc ataccccat cgcagggtgc gtgagaacac 180  
cgtccagtgg gacgaggcca gccctgccct gagaagctga gattcccacc ctacctggag 240  
ggagctgagc accctcacag caactctgag cccctgactt caaanggaaa cttttttcct 300  
gtggtatcag acgtagaggg cgggctcttt 330

<210> 57  
<211> 199  
<212> DNA  
<213> Homo sapiens

<400> 57  
gtggcatgat catggcttat cgtagcctca acctttctgaa ttcaagagac actcccacct 60  
tagcctccct gagtaactgg gaccacaggc atgaaccacc atgcccagct acctttaaaa 120  
aaatagagag agagacaggg tctcactatg ttgttcaggc tggctctctaa taaattgtta 180  
ttaccaatga aaaaaaaaaa 199

<210> 58  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(419)  
<223> n = A,T,C or G

<400> 58  
actgagttct ttgccttgga acacgacgag gacctttctcc ttctgagag gggacacgcc 60  
tttcatcatc ttctgctaag aggcgccct ccaccacct gcatgagtaa gacacagcct 120  
ccctgcagca cagaggaggc ttntgtgagt gcccangga tcaccaaggt cagggagaac 180

```

ctcttgaggt aactngcatt tgtgtcacga agccgaanag ggttgaggg gattgcgtga 240
tccccatcct gntcatgggc caccacccca ntccactcan aagataaggc ctccctngatc 300
anatancaatg actcattgca tggttatcccc gcacttttan aagcttangt nggcccgatt 360
ggctgaaccn cattantttt taagaccatn cctggccaan aatggnggaa ccccattht 419

```

```

<210> 59
<211> 280
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

```

```

<400> 59
ggtttcatca tgttgtccag gctggccttg aactcctggg ctcaagcaat cagcccacct 60
ctgcctccca aagcgttgag attacaagcg tgagccacca ttcctggacc ctcgtagttt 120
ttctggagcc tcgtgatntg atatgatctt cctgccgctg attcctcaca gtattggctt 180
gccacacctc caggggcact gatcacattc tacctggcat tatttcatct gagtncctgn 240
cctanccctt ctgcccatta gactgtaacc ttgttttaggc 280

```

```

<210> 60
<211> 359
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(359)
<223> n = A,T,C or G

```

```

<400> 60
aatggagcta ccacatggtc aggaggaaga gactcacaaa gaaagatgaa ggttgagag 60
aggtgctatg gaaatagcac atgctaaagg agtcttctaa gcagcccana ggcgatgaca 120
taccagtgcc agcagaggag gagaaccacg cttcagtata acaaaaaactt cnatgaatca 180
tgcncaatgt ggaaaagtcg aatagacatg gctgaggata aaagaaaaga acgtacacat 240
aatctcacta cccagagaga agcaatgttg acatatttct cttcctcaat gcatatttat 300
atattgttga tattttttact gtctgtgcaa ttttgcttta attaaacatt tagattatg 359

```

```

<210> 61
<211> 70
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(70)
<223> n = A,T,C or G

```

```

<400> 61
nantcattat gnntnctgtt tncctggatg gactccgact ganagatana cgccattgac 60
gcataactcgg 70

```

```

<210> 62
<211> 178
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(178)
<223> n = A,T,C or G

```

```

<400> 62
cttgattaca gcagcntgat gctttgcctg gataaaca aa ngctctnngc naggaagaga 60
ctttnggacc agcaagagac tagantngaa acagagttta aacaagcatc ataacccttg 120
aagcnaattt tatcatgatt tcaatttgca tattaagaaa ctaagatttg gaaaaaaa 178

```

```

<210> 63
<211> 167
<212> DNA
<213> Homo sapiens

```

```

<400> 63
gtgaagaatg aaggaacatt ccaggatcaa gtttcctaaa atttggaaat aaactgtgga 60
aattctccta agtttagggg gagacagaac cacctagaat cactgacacc ttgattcaac 120
acaatccgca gaccgggtga ttaaataaag cactttgggt ttttcat 167

```

```

<210> 64
<211> 435
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

```

```

<400> 64
gggcattcaa gataagccat catatccctt gtggcctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tgttcctgcc 120
ttaactgatg acatggtctt gtgaaattcc ttctcctggc tcatcctggc tcaaaagctc 180
ccctactgag caccctgtga cccccactct gcccgcagga gaacaacccc cctttgactg 240
taattttctt ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tattgtcac 360
acaaaaaaaa aggnnggggg ggnccnnnnc nattttgggt tnaaacnnnn gnantnttt 420
ttaaaggggg gggggg 435

```

```

<210> 65
<211> 355
<212> DNA
<213> Homo sapiens

```

```

<400> 65
agctggagcc tcaactttttc acccaggctg aagtgcagtg gtgtgatctc ggctcactgc 60
aacctccgtc tcccagagttc aagcgattct cctgcttcag cctcctgagc agctgggact 120
acaggcatgc accaccatgc ccagcttatt ttgtatttt tagtagagat ggggtttcac 180
catattggcc aggtggtct cgaatcctga cctcgtgac cactgcctc ggccctccaa 240
aatgctggga tcacacgcgt tagccaccgc acccagcctt atttacctat taaagagcat 300
attgattgct tccaagtctt aacaattatg aataaagctg gtatggactt tcaca 355

```

```

<210> 66
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(340)
<223> n = A,T,C or G

```

```

<400> 66
gatgtggcag aagtgaccct atgtaactca gaaagaccca accttaagag cttctgcttt 60
cctgcttgga acacccccta ctgaaaacca gctgccaaac aaaaggggcca ccatgctgtg 120
aggaaatcca agccagccag tgaagngaag agtcacatga aggacgacca aggcacagtc 180
atatgagtga agccttcttg aacattccag cctagctgtg gatgaatgca gcaaagtgag 240

```

```

tgatccagtc aacgccataa gcaacagaag aacagcccag ccaagccctg cctgaattcc 300
tgagccatga ttcataagca aattaaacag ttattgtttc 340

```

```

<210> 67
<211> 439
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

```

```

<400> 67
gtatacgccc agatggcctg aagtaactga agaatcacia aagaagtgaa tatgccctgc 60
cccaccttaa ctgatgacat tccaccacaa aagaagtgta aatggccagt ccttgcccta 120
actgatgacg ttaccttggtg aaagtccttt tcctgggtca tcctgggtca aaaagcacc 180
ccactgagca ccttggtggcc cctactccta cccgccagag aacaaacccc ctttgactgt 240
aattttcctt tacctaccca aatcctataa aacggcccca cccttatctc ctttcgctga 300
ctctcttttc ggactcagcc cgctgcacc caggtgaaat aaacagccct tgttggttac 360
acaaaaaaaa aagggccggn ggggccantt aanntgggan taaacnaggn nganntgnt 420
naaanggggg ggaccccca 439

```

```

<210> 68
<211> 347
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(347)
<223> n = A,T,C or G

```

```

<400> 68
ggctctctgtc actgaagctg gagtgcagcg ggcgaatcac agctcactgc agcctcgacc 60
tcccagggttc aagagatcat cccacctcag cctccctagt agctggaact ataggtgcac 120
gccagtatgc ctggctactt tttgttttta tagagacaca atctcactat gttgccagg 180
ctggctctcat attcctgggc tcaagccatc cacctgcttt ggctcccag agtgctggga 240
ttacaggtgt gagccaccat gccagcctc gaatttctc tacttggcct gaagcagaaa 300
gccacagaca acagagacct aagctnctaa tgaataaaga acccccc 347

```

```

<210> 69
<211> 328
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

```

```

<400> 69
gccctgcact cgatggatca gctggcacca cccagatcaa taaactggct catctggtct 60
tgtggcctcc atccaagtac caactcagtg caagaagaca gcttcgaccc cgtatgattt 120
aatctccaac ctgaccaatc agcactccct actccctggc cccctaccca ccaaataatc 180
ctcaaaaaaa cccagtctcc aaattttcag gaagactgat ttgagtaata ataaaactct 240
ggctctcccg tcaaaaaaaa aanggccagn gnggccantt nanttngnan ttanccnggn 300
tgaanttgnt naaanggggg ggcttacc 328

```

```

<210> 70
<211> 386
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 70
gccaaacatg atgactcaca cctgtaattg cagcactttg ggaatccaag gccggaggac 60
tgcttgagcc caggagttca agaccagcct gggcaatata gcaagacccc atctctacca 120
aaaaaaaaatt taattagctg ggcattggtgc tgtgtgtata tagtttcacc tactcaggag 180
gctgagatgg gaggatagcc tgagtccaag aagttgaagc tgcagtgagc tgtgatcgca 240
ccactgcact ccagccttgg caactgggga aagaccctaa ctcaaataaa atttaaatat 300
atatatacac acacacacat atacacacac acacacacac acacacacat atacacatgt 360
atnttttgta ataaatggat aaacac                                     386

<210> 71
<211> 459
<212> DNA
<213> Homo sapiens

<400> 71
aaactgcacc tcactggctg ggaatgagga tatcttatgg aagattctta tttttggaac 60
tttttgaact ctctctgttg gcttctgaaa gctgaatgct ctttcaaagg acctgaagat 120
ttcttttgtc ctctagttaca ttgagccac atttatgagg cactggtaaa acatttctgc 180
aggagggagt tatgtgcatt gtccctctta gagaaacatt gctcacacta actcctgact 240
gcattgcattt tgcaaatgca cagctcagtg agtgtgtctt cccgttggtt gtgggtttaca 300
atcctgcaag aaatggcctt ctatgaggca aaatggataa tggcctttta ttttaagtta 360
caaagagttg ggtggcaagg gggtagggaa ggcaacccta aatgctttga atgaattatt 420
gaattgacat ggtccaaagt gacatttctt tttaaaatg                                     459

<210> 72
<211> 528
<212> DNA
<213> Homo sapiens

<400> 72
gtaccagggg aatctatacc tgaagcatta ctggagtcaa gaaatttgac tatgggtgtg 60
ctgggcatgt gtttccttga gtatattatg attggaattt tcccaccttc ttgcattttg 120
aatatatgcc agcatttctc caagatgtat atcctagagc aaaatttctg ggccatagac 180
agagtcttgc tctgtcgccc aggctggagt gatgaggccc gatcatcact ccacctgggc 240
tcactgcacc tccgcctccc gggttcaagc gattctcctg cttcagcctc ctgagcagct 300
gggattacag agcccctgtc atccagactg gagtgcagtg gtacaatccc ggctcactgc 360
aacctccacc tcctgggttc aagcgattct cctgtctcag cctctcaagt acctggaatt 420
acaggcatgt gccaccgcac cccatgtaat gtcccgatct tgatggatgc actctgggtta 480
tagaaatgtc ctcatthtaa ggaaatacat gccaaagtaa gtaaaggc                                     528

<210> 73
<211> 296
<212> DNA
<213> Homo sapiens

<400> 73
gttcaactca ttgccacttc ctgtagctgt cttagtgacc cttcaggcca gaagcagatg 60
cctgtgctgt gtaccatgcc cctcctgctg ctgaactgga gagaaaacgt ggctggcagc 120
ttttgtttct tgagaagttc cgaatctttt gcatctggtg ctgcgagaag gttcacctgg 180
ttaaacaatcc tcaagtcagc agcacagctc cttctggaag gcactttaac tggatgggat 240
cctctcactg tagacattgc tacctccctt tcttgaaata aagcctgctc cagagc                                     296

<210> 74
<211> 410
<212> DNA
<213> Homo sapiens

<220>

```

<221> misc\_feature  
 <222> (1)...(410)  
 <223> n = A,T,C or G

<400> 74  
 gatgaatggg cagagctggg cacaagctga aggtggctcc tccagtggct ctcacaaacc 60  
 caacccccctc catgtcatcg caaaggctga ggagatcagt atttcaccac acctttgtgc 120  
 ttcacttagg tatcgcaagg aaggaaaaact gtctccatct gaagaggaca tagccatgta 180  
 tctgctttgt tctcttcttg atttcacgt tccccaaaat gggcagggct ggcttaaaaa 240  
 gcaatggaga aaaagttctg gagatggatg atggtgatgt tctcacaaca atataaatgt 300  
 acctaattgct acagaactgt acacttaaaa atgcttaaaa tggcaaattt tacnttatgt 360  
 atttttgact ctctgtctcc cccaaaaage aatgaaggct cttccttttc 410

<210> 75  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(357)  
 <223> n = A,T,C or G

<400> 75  
 gggcattcag ataaagccat catatcccct gtgacctgca cgtacacatc cagatggccg 60  
 gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tgttcctgcc 120  
 ttaactgatg acatggcnctt gngaaattcc ttctcctggc tcatcctggc tcaaaagctc 180  
 cctactgagc accctgtgac cccactctgc cgccagaaaa caacccccct ttgactgnaa 240  
 ttttctttac taccggaatc ctataaaacg gcccccccta tttcctttgn tgactctttt 300  
 tttggactta agcccactgn attcaaggng aaataaaciaa gctttatttg ttacacc 357

<210> 76  
 <211> 219  
 <212> DNA  
 <213> Homo sapiens

<400> 76  
 tgaccttggg atctcctgaa ggaaaagcat tggagtagaa gtaagagctg actgtgaaag 60  
 cctgaggagg agctgcctta ttgttaaggg gtagcaagaa gcccaggcgt ggcagtccac 120  
 gcctgtaagc ctagcacttt gggaggccaa gatgggagga tcgcttgagc tcaggagctt 180  
 gagaccaccc cgggtaacat agcgagacct cgtctctac 219

<210> 77  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 77  
 agttgagaaa tagacggtcc acagcggaca acttagaatg gaataagggg gatgtgtttg 60  
 aggcactacc attggaagat gtgctgggga gaagcccagc ccagcaacat gcggcaggac 120  
 cacatctcgg cagagctgaa gacagagacg ttgcagcgac aaggacaact ggcattgcctc 180  
 acattcctca gtgttgaaaa caataaaagg agggggaatg agagaaaaat caaatttcta 240  
 cgaagagatg tcagcagtaa atttaattgca ggtgcaatat tctccaaaca aaggacgttt 300  
 tgtttctacc gtctgggctc tgtgaaaacc tgctccacct cctccttgct atgtgttttc 360  
 ctttttatct gtgtaaggta gattaaaatg ttgataccct t 401

<210> 78  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature



<222> (1)...(387)  
<223> n = A,T,C or G

<400> 78  
ctgaggactg tatcgagnta caaacgtcac cagcaatgaa tgaaagtagc tgatgcccc 60  
catcctcacc agagtgaagt tcatactaa gacaaagcaa aacagccgga agcagtga 120  
catgcctgta atctccacac tttgggaggg cagcgagggc ggatcacttg agctcaggag 180  
tttgagacca tcctgggcat cagacctcat gtctacaacg gaaaaaagac atttagccaa 240  
gcgtgttggt gtgtacctgc agttctagct ccttgggggg ctgaggtgtt agaatggctt 300  
cagcccgga gggtgaggct gcagtgaagt gagccgtgat cgtcccgtg cactccagcc 360  
tggatgtcag agtgagacct ttgtctc 387

<210> 79  
<211> 331  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(331)  
<223> n = A,T,C or G

<400> 79  
aataaaggca actgctgggt gtgataagct cgtgcctgta gtttgggagg ccaaagcaag 60  
cagatcactt gagccccgga gttggagacc agcctggata acatcgcaa atcttgtctc 120  
tacaaaacag acaaaaatga ggatcgcttg agcccgagg gttgaggctg cagtgaacca 180  
cgtttgagcc actacactcc agcctgnata actgagcaag accctgtctc aaaacaaac 240  
aaaacaaaat aaacaaaaaa ggccagcgag gncnattcag nttggactta accaggctna 300  
acttgctcaa aaggngggga ctaccagga a 331

<210> 80  
<211> 151  
<212> DNA  
<213> Homo sapiens

<400> 80  
agtctcgaa tcctgacctt gtgatccacc cacctcgccc tcccaaagt ctgggactac 60  
aggcatgagc caccacactc ggccaccttc actgattttt tcctttcata tttctcttta 120  
taagtcttct attaaaatga aaatgcttca g 151

<210> 81  
<211> 305  
<212> DNA  
<213> Homo sapiens

<400> 81  
aaaaaggaaa tgtgatcaac ctaaacacca agggaagact gtgcatcatc tcatccacaa 60  
gacaaacaaa atgcctcttc cagctttgtt acaggaaaaa tcacagatca ataagaaaag 120  
ctgatgagaa aacaaagcaa ccagaaaaag gtggcaaac cactgtgt atattgagaa 180  
atagaactgt cttcaattag aacaacagat ttgccataat ccataaaatt catgttatga 240  
gagtttgaag cagttatgta caatgtttta tactacaaag tagataaaga cctccatcc 300  
cacct 305

<210> 82  
<211> 329  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(329)  
<223> n = A,T,C or G

```

<400> 82
aataaaggca actgctgggt gtgatagctc gtgcctgtag tttgggaggc caaagcaagc 60
agatcacttg agccccggag ttggagacca gcctggataa catcgcaaaa tcttgtctct 120
acaaaacaga caaaaatgag gatcgcttga gcccaggagg ttgaggctgc agtgagccac 180
gttttgagcca ctacactcca gcctggataa ctgagcaaga ccctgtctca aaacaaaaca 240
aaacaaaata aacaaacaaa aaaaaaangg ccagnagaggc caattnagnt nggacttaac 300
caggntnaan tngntnaaaa gggggggac 329

```

```

<210> 83
<211> 443
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

```

```

<400> 83
gaaggacact tctataaaaag acggagttgg ttgtacttcc catgaaacca ttattgaaga 60
cacacatttg cataacagca atgagagaaa aagtagattc ccgaggagaa gcactggaaa 120
ttaacatata acataaatgt gtcataagaa aaagttgaaa attgtggctt ctaatgagtt 180
atctgaaaaa cacttaacat gagatacatc tctcttaata aattgttaag tgcactggac 240
aatattgtca attataggca caaggctgta cagcagatgt ctagaactta ttcatttcac 300
gtaactgaaa ctttatactc attagatagc aacttcccat ttccacctct tcatggcccc 360
tgggaatcac ctttctttct actctctgct gctatacatt tggctacttt agagatctca 420
tacnaataaa tagaatcatg tgg 443

```

```

<210> 84
<211> 352
<212> DNA
<213> Homo sapiens

```

```

<400> 84
ggagacacca cctcttttgct tctccaaggc tgtttgctgc atctgaaaag acaatctgga 60
acaagaggac agtcaggcca gccacagtgg ttcatgccta taatcccagc actttgggag 120
gccgaggcac gtgaatcact tgaggtcagg agttcgagac cagcctggcc aacatgagga 180
aacctgtctc ctactaaaaa tacaaaaatc agccgggtgt gatggttgca cctgtaatcc 240
cagctactcg ggaggctgag gcaggagaat cgcttaaacc caggagggtgg agattgcagt 300
gagccaagat catgccactg cactccagcc tgggtgacaga cgagactccg cc 352

```

```

<210> 85
<211> 268
<212> DNA
<213> Homo sapiens

```

```

<400> 85
gtgctgaatc caacagcagt ccctactaag cttcctgcac agattctggt tcctggagaa 60
cctgatgtac aacagttaaa gtgcagagaa accctctgcc aaactttggt gtgctttaaa 120
agttatggca gtcaggctcc ctttactgtc ataactggaa cacctttcac ttttcaaaag 180
agctgggtga tctgcttgct gtacaactac aaatatatac ttttgattaa gaaagttgag 240
aaaaataaaa agcagtttaa tttagccc 268

```

```

<210> 86
<211> 179
<212> DNA
<213> Homo sapiens

```

```

<400> 86
gtaacccttc agaatgttga agactgttgt acaaagtaat taatgagctg ccctggatct 60
gaggcaagcg acggaagagt caagatgact aaaagtcttc tgataaaggg tttctttaag 120
gaaaagaaaa tcccacaatg caaccagcaa tggttaatctt caataaatac gctgttaat 179

```

<210> 87  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<400> 87  
 gactggtgcc cttacaagga gagtaagtac cacctcatca gggccaccct catctaccag 60  
 agagctctcc ctctgtccat gggcacacag agaattggcc atgtgaggac acagtgagaa 120  
 gacagccatc tgcaaaccag gaagagagtc ctcaccagaa cccagccctg ccggcacctt 180  
 gatcttggac ttccagactc tggaactgta ctaaccagaa gttcaagcta ggggttggag 240  
 aaggaagggtc atacatacag aagcaagaac ctcaaccctc agaactgcta tgaaaatcaa 300  
 acaaaatgct atttgtaagt agtcttcctg tgctggacta aattaaaga actttgcagc 360  
 tc 362

<210> 88  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(431)  
 <223> n = A,T,C or G

<400> 88  
 tctgactttg agccaggact tgaagcagac actatggctc atgcagaaaa gaaacttctt 60  
 cccacaagac tgccagcgaa attttgcaga ctcaagatgt tcggagagtt tggacaatca 120  
 tcacagtttt tggacgccta tctgagacca tcttctgtga agtttattca gctcataagt 180  
 gtgaataaaa aattgctaaa tgtgaactca aagagacagt gcagttttac atctgagtc 240  
 actgaatgca tcacagaagc agcatgtgca gcaacaggag tccaatagcg tcaaccacca 300  
 ggaaacaagg atcacggagc atgtgagaaa atggtaattg agaaggctga tcaaggaaca 360  
 cactaaaatt ggaggcatga aacacttggc gaaatgggtcc catnggtcca tctggggatc 420  
 ctgggaacaa g 431

<210> 89  
 <211> 216  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(216)  
 <223> n = A,T,C or G

<400> 89  
 gtttgaatc caaccaccaa gttctgctga acgaatgatt ttataatcag ctaactctgc 60  
 ccacgatgga nagcaaaggc cagtttcaca gacccaaata catttggcct ctgaacgaca 120  
 tggatttgaa ctgngaggat ccatttacat gtggattttc ttctgcctct gccgtcccag 180  
 agacagcatg accagccact catcctcctc ctctc 216

<210> 90  
 <211> 260  
 <212> DNA  
 <213> Homo sapiens

<400> 90  
 tttgcaaatt atttccaaat ataatttctc atcggaatct cacaaccacc aaatacgacc 60  
 aggcattatt catctgattt tatagatgag gaaatcaagg gtcagagaag tgatgtgact 120  
 tgcccaaggc ccacagatgg taggtggcaa agccaggact tggaatccaa gataaagaaa 180  
 actcagtggg aaggagaaagt ttgtgattaa atccaattaa aggaatagag taaaataaag 240  
 aacacagtaa atttctcacc 260

<210> 91

<211> 265  
<212> DNA  
<213> Homo sapiens

<400> 91  
atgatgaaaa tgatcctcag aggagcattg ttaataatca aattaccaaa gaatgatgcc 60  
tactctgaat ccagatgtct gacttcacag gacaaaacca ctgcatttac tgttctcaaa 120  
tgatttattt taagaattta cgcttctaaa tttaatccct gagggtaatg ggttatgtct 180  
taaaatatgt aatggaacat taaaaaatg aattctttct tgcttggttt cggccaaaat 240  
gtaaataaac tgaatatcaa atact 265

<210> 92  
<211> 326  
<212> DNA  
<213> Homo sapiens

<400> 92  
attccctctg acctgctgcc cctggccttt ctctgcccc agtggggctt tagcacaact 60  
gaccgctgct ttcctgcgct ctgtggccag ggaactcatg tggatgaagca ctctggagtt 120  
tggctttgca aagaagtga atctacaatg caaatatcca gatctccaaa ccctgggtcaa 180  
atggcagtga ctgaagctca tgccccacct ccagctgtg caaccttggg gcaagtcact 240  
tcacctctct gggcttcaac ttctctcttg gaaagacaga atgccaacat ccctcctgcc 300  
tcttgccaag atgttttata gactgc 326

<210> 93  
<211> 367  
<212> DNA  
<213> Homo sapiens

<400> 93  
acggagtttc accatgtcgt ctaggctcat cttgaactcc tgacctcggg tgatctgccc 60  
accttggcct cccaaagtgc tggattaca gaaggagcc accatgcctg gcctggagta 120  
tataagtgc taagaacctt gttcaaataa gaaggaacca gaaaacctt cggtatagca 180  
attgctctct cttgaaattg ctccagatcc ataacatctc tcttcatgtt cgggatgtgg 240  
atttcatgaa gatattttga aggtgctgct gagacaatgg ggcttttcta tataaacaaa 300  
gtttttatta gcttttttgc ttatctggat ttactgcta attaatataa gcccaatact 360  
ttttcag 367

<210> 94  
<211> 371  
<212> DNA  
<213> Homo sapiens

<400> 94  
ctgccctgtg tttgacattt ggtgattgta ttcctttcct gggacagccg taacaaaacg 60  
ccacaaactc agcagcttca aacaaccaa atggattctc tcacagctct ggaggccaga 120  
aggccaacac tcaaggtgta ctgggacctg gctccctctg aagccccag ggaagaatga 180  
cttcccttgc cctgccagct cctggtggtg gccggcggtc ctgctcgctc cttggcttgt 240  
agacacatct ctcccatctc tgctccacc accgcgtggc cttctctgtg tgtctgtgtc 300  
cagatttccc tcatataagg gcatcagtc ttggactggg gccatcctca tacaacatgc 360  
tgttagcctt g 371

<210> 95  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1) ... (415)  
<223> n = A,T,C or G

<400> 95

```

gtcaaatctg gatactctct gctgaagaca accaatatta atgaatcaca ctacagagtc 60
attgtctacg atcccaaagg aaacaataat gcgagtacaa caaattcttc ttgcaagaga 120
aaatcctgca aaactactta acagaataac actgggtcaat gctctaataca tacatttgtt 180
aaaccttata taatgttttc aaatatgcat gcaatccagg tgcagcttta actaaaaatt 240
cagtctaatt ttatttttcag tttaggttct tggagcaaac atctttgcat aaatatttgc 300
ctcactacta gcctctctcc atataagaaa ccatcatctt tcttaaaaaa aaaccacaag 360
ttgttttatt tccacaatag gnatctaaaa gatcattttt aaaaaaaggc agctt 415

```

```

<210> 96
<211> 407
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

```

```

<400> 96
gtggagggtg ggaggagctt ttgcangcct gttgaactaa gaagctgtga cagggcgtga 60
gatatgtcag caatgctggg ggtgccagag gtttctgaag ggtctcactg tggcgcctat 120
gctggagtgc agtggcacaa tctcggtcca ctgcaacctc tgctttccgg acttaaacga 180
ccctcgatcc tcccaccta gcctcccag tagctgggac cacagggtga taccacgaag 240
cccggctaatt ttttttgtgt ttgtggtaaa gacggggcgt tcaccatggt actgaggctg 300
gtctcaaaact cctgagctca agtgatttac acgcctcagc ctcccaatgt atattttctt 360
tgcttccaaa atgattgttg agagtaaagc ttttgatgta cacatat 407

```

```

<210> 97
<211> 306
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

```

```

<400> 97
agtggntgag gaattgtcaa ttgcttcact aagtaccatt aatacggcaa gatagcagta 60
atcagttcca cagaagtcac atcattctca ccctgggatt gntaagatct agacatgggc 120
ttgctgtatt gccctcaaac tcttggtctc aagtgatcct cctgcctcgg cttcccaaat 180
tacaggctgg acttcattgt gtatagcatt tcttaaaagt ctcaaagaag tcaactctgt 240
aatataaagt cctcatatga atngattcta agttgtagnc agccactaat aaacacacat 300
gcttac 306

```

```

<210> 98
<211> 209
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(209)
<223> n = A,T,C or G

```

```

<400> 98
ctgntgcgct cagccttgaa caccctcccg accttggggc tctgctgccc cagcgggagc 60
ccccatttca acngatgcag acaccccaaa gcccttccc aacagcccga agagaagccc 120
tcctctgaag agacagcaga gaagcagagc cccttgggac gcccccaag acctccacgt 180
ctccccagca cccggcgggg ggggtggtgc 209

```

```

<210> 99
<211> 229

```

```

<212> DNA
<213> Homo sapiens

<400> 99
aaggctaaag ctctataacc attgaaagct ggctggggga aaagaagaag aggcaaaaag 60
atcaactgaa gaataaaactg ctgtcattgg cacaaaagaa taccacaaag attatttaca 120
aaactcgaat caggagtaga acagacctcc atgtggaagt tcaattatgc taagaggaaa 180
gaggaaaggg gaagagttta cagaaataaa ttaatgatga tgataaact 229

<210> 100
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(308)
<223> n = A,T,C or G

<400> 100
atgangtgct gtgctggaca acgctgcctt tgggcttcgg cttggaccgt ggggaggcag 60
agcaatgatg ttgttaggat taaatgacaa ccagccttct gttatttctg gaagattttg 120
gaacttccag agaaggcagg agtgagctgt cggggaagga acgacgtctc cttcaggaat 180
tggttgccagc acttgggtca tgaagccctt ctctgtgtct cctccgactg gaatactcat 240
cacgtcctct tagctgataa caatagctga ctttaataag tgtagnngctt cctatatatg 300
tgtatgtg 308

<210> 101
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(339)
<223> n = A,T,C or G

<400> 101
ttcatgaaat gggaagattt tgctggatta tctgggttggg ctctaaatgt attcaaagtg 60
ttcttagaag aaagaggcan agaaagagct gacacacaga agagacggtg atgtgaagac 120
agtggagaga gagagatctg aaatgctgc cttgaagact ggagtgaagt ggccacaagc 180
caaggaatgc ctgcagcctc cagaagctgg aaaagacaag caatggattc tccaccagat 240
cctccagagg gagtgcagcg ctgccaacac tttgaactca gcccagttat aattattttg 300
gacttctcca gaactataaa agaataaata tttgaaacc 339

<210> 102
<211> 75
<212> DNA
<213> Homo sapiens

<400> 102
aaagaacggt ttctggagaa agatacgagg tgccacatca gagatactta ttaagaccaa 60
taaaccaaaa tacgg 75

<210> 103
<211> 489
<212> DNA
<213> Homo sapiens

<400> 103
atatttctctg aacacctact atgtgctgca agtactgaga tccacagtgc aatccggcag 60
ccagggagca cccccgatca cagacactgt ggccccgcaa tggatgggcg cttccattgc 120
tggagctcac ttttctgtct ctaactgcag gagctgggaa tttgaactgt ttctctcact 180

```

tctgggtccc	agcatttaga	acaggggtcc	actcacagca	gccactattg	ctgaagaagc	240
aaatcccgcg	ggattgcttg	agtcctggca	cgtgtgaaat	gcctgccaag	aactgcagag	300
gacagagaca	cagtgtctca	aaaggggttg	atggcaactt	tatcatggac	attttggtga	360
ttacaatatc	tacatttcct	gggggggtctc	agaatcacag	aaattatttc	aagttagtcc	420
gaggctgctc	aacgctgagg	tcaaaacatc	tgagagaaaa	ggttaagtaa	aaaatctggt	480
tgtttctat						489

<210> 104  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(390)  
 <223> n = A,T,C or G

<400> 104						
gaaagccagc	tgccatgtgg	tgagtgtcaa	ggcctctgag	cccaagctaa	gccgtcanat	60
cccctgngac	ctgcacgtac	acatncagat	ggccggaagc	anctgaagat	ccacaaaaga	120
agcgaaanta	gccttaactg	atgacattcc	accntggtna	ntcgnctctg	ccccactcta	180
actgagntga	tatattctcc	cctncacccc	acttaagaag	gtactttgca	atattcttcc	240
cactcttgag	aatgnaaatt	tgtacaccta	tcccccacc	tataaggaac	taatgataat	300
ccccccacc	ctttggctgg	actctctttt	tcaanactca	ggcccaccct	tgcnnccecn	360
aggtggaaat	aaacagccct	tgttgcttca				390

<210> 105  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(361)  
 <223> n = A,T,C or G

<400> 105						
ttgacgggca	gtaaatattc	aagacaatga	tganggcac	atccantgtg	atattncngn	60
tgnnngncnt	aactgaanan	attgcaccac	aannnaagtg	natatggnc	gttcctgcct	120
taactgatga	catgggcttg	tgaaatttct	tctccaggct	natnctggnt	caaaagctcc	180
cctactgagc	accctgtgac	ccccactctg	cccgccanan	aacaaccccc	ctttgactgt	240
aattttcctt	tacctaccg	aatcctataa	aacggcccca	cccctatctc	cctttgctga	300
ctctcttttc	ggactcagcc	cacctgcatt	caggtgaaat	aaacagcttt	attgctcaca	360
c						361

<210> 106  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(433)  
 <223> n = A,T,C or G

<400> 106						
gggcattcag	ataagccatc	atatcccctg	tgacctgcac	gtacacatcc	agatggccgg	60
ttcctgcctt	aactgatgac	atttcaccac	aaaagaagtg	aaaatggcct	gttcctgcct	120
taactgatga	catggtcttg	tgaaatttct	tctccaggct	catcctggct	caaaagctcc	180
cctactgagc	accctgtgac	ccccactctg	cccgccagag	aacaaccccc	ctttgactgt	240
aattttcctt	tacctaccg	aatcctataa	aacggcccca	cccctatctc	cctttgctga	300
ctctcttttc	ggactcagcc	cacctgcac	caggtgaaat	aaacagcttt	attgctcaca	360
caaaaaaaaa	aaggncnggg	nggccaattc	agntnggact	taaccaggnt	gaacttgann	420

aaaagggggg gac

433

<210> 107  
<211> 387  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (1)...(387)  
<223> n = A,T,C or G

<400> 107  
gttaagcact gggaggcaca gatgtatgag gacttgccat ctaggagtca gagaatcagc 60  
acatatcttg tcatgtcata gctgaagagc tgccacctag acctgttcct gctgcttcac 120  
tctggttttc ccatggccca tatggaaggg aaccagggtt gggctaccac ctttttttgc 180  
tcccagattg gaggatgggt gaggcctctc catcccagct tccctggata acttagttta 240  
agcttatgac acatatcttc tgaaaggcaa acccatgagg tgtattcaca aagaggacat 300  
caaatcccac ttggagtctt gtgtcattaa accattacag tcagccctcc atatccctaa 360  
gntctgcatc catggattca accaccc 387

<210> 108  
<211> 327  
<212> DNA  
<213> Homo sapiens

<400> 108  
gtgtatcctc acccttctac gctccatggg gatcttctcg ccaagatttt tctccaatca 60  
aaagtccatc ttccactttc tctttggaaa aagaatgcgt aacagtctca ctactgccca 120  
tcacctattc cttttcactg acatctcccc aagcccaact atcattttct gcctttaaaa 180  
aataactgga atttatataa atcaatccaa cgcctatcat agaccttggg tcacagtatg 240  
cattaaaata tgtattgggt gatcattcct tctgcagtgt caagcactgt gccaggcaac 300  
agtgattaaa aataatgaat gaaaccc 327

<210> 109  
<211> 287  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(287)  
<223> n = A,T,C or G

<400> 109  
attttncata tggcttagaa gaaacaagct gacatgttgt gagctaccca agaagagagc 60  
catgggacaa ggagctgnga ccagtggcca gcaagaaact gaagccctta gtttaacagt 120  
ctacaaggac ctgaacactg ccaacaacca catgagcttg gaaacagatt cttcctcagt 180  
caaggtttna gatgagaact tcatccanag tagcactagg attgtgctgt acctgggtctc 240  
ctgacagaga atctctgaaa taataaatgt gtattgtttt aagccag 287

<210> 110  
<211> 129  
<212> DNA  
<213> Homo sapiens

<400> 110  
actgtatccc agccactatt tttccctcaa cgtcactaaa tgcaaggga taatgaaacc 60  
acaggagaga aaaaagcagc tgtctgaata aaagaagaaa gaggtagatg cacagaaaca 120  
gacggacat 129

<210> 111  
<211> 462



<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(462)  
<223> n = A,T,C or G

<400> 111  
tttgccaacc atggattaca gagcaaacaa aacaaaaccc caaggacaaa ataaagaagc 60  
agaacacctt gaagaaagag ctgattccaa ctctgaagtg ggaaatgtat aggatgggcg 120  
tggtagaaga tcagaaagct atcaaaaaca attgaggaca tgttcaaaga actcaggtga 180  
caaaagagga tcccactggc caaaaatggg acaatgaagt cttatccatc ctctcttta 240  
ctgtgggtccc cagaactgtg tcttgaacat ggcaaaaact tgttcagctg tcatgagaag 300  
ttgagtgatg agaccttgag cggaatcat caatgaaagg gccaaaggaga tgagatggag 360  
cattgtaatc aacaaaagtg cttaacccaa gaaggggtgn cccttattta attacctttg 420  
anaatgcttg tnttttaacg ttacaaggta tggcaagaca at 462

<210> 112  
<211> 257  
<212> DNA  
<213> Homo sapiens

<400> 112  
acatgccatg tgctgggcat aggaagtgct gtttcagcca cccaaggag caaccatgag 60  
tccagcgtgc ctgctcgtca cacctcctcc taccctgag cgccacttct gagttgctca 120  
tcagcatccc cagctcccag atggctgctt ttgtcccctg ctttcacagc atggatgtga 180  
aaggagcagt agattaagaa agacccaaga taaccctgta aagatattca ctgtggattg 240  
acaataaaaag ccattag 257

<210> 113  
<211> 91  
<212> DNA  
<213> Homo sapiens

<400> 113  
agacaatctt actatgttgc ctaagctgat cttgaaatcc ggaactcaag taattctccc 60  
cctcccagag tgctaagatt acagttaaaa g 91

<210> 114  
<211> 205  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(205)  
<223> n = A,T,C or G

<400> 114  
aagacaacgc gaaaacagaa gcnnnggatca gagngatgca gtcacaaatt ncacaatncc 60  
agggcnnnca acagcagcta ggagaggcaa aaatangaac cctgattctt ccctgcanc 120  
cctggcagga gtgnggttct actggggttt ggacttctaa cctccaaaat tgnnaaagaa 180  
taaatttcng ttgcattaag tcctc 205

<210> 115  
<211> 464  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(464)

<223> n = A,T,C or G

<400> 115

```
cccttggtgtt tttggagttt taaaactgaa gccatgtggt cacgtttaa tggcagagta 60
ttaatcaact gaaaatnant atttntgaaa tccaagggca ataaaaccct gtggaagcnc 120
ccacccctta cccattactc aaattcagac acnannagac tgcgtctgtc ttcctctca 180
ccatgatgac ccttcatttc aagcaatgga atatttacag catcatagt gagcttggg 240
tacaagtggg gcatgggtgct gatagccctg tggtcggtgg gacactgccc tgggtggggc 300
aactgggtgca tgcttcagtt ctctctcttg atctcagcc acgctcaagt cgggtgtttgc 360
tgcgcaactc agcgtcgctg ctgcccctgc taatgagaat tacattgtca tgtaataagt 420
accttccttg agtncatgaa aataaaaaaa aagtcttaaa aagg 464
```

<210> 116

<211> 288

<212> DNA

<213> Homo sapiens

<400> 116

```
gtgagaagaa tacttgcattg cttctgcttt ggtcctttgg cacagcagct cttagaacat 60
aactgcctca ctccggagaaa gctggagaga ccacaaagga gaaaaaagga ggctcccagc 120
caacaaccag cacagctttg cagcaaaatg agttggccat cttagaagt ggctggctag 180
atcccggttg accacccac ctactcttcc tgaacacagac acaagccatc ccgctgagcc 240
ctagtcaaat tacagattca tatgcaaaat aaatgcttat tatttttt 288
```

<210> 117

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (419)

<223> n = A,T,C or G

<400> 117

```
ggggatattt ttttttcata anacctgcct gtgatgtttc tctgccgtga atcatgtcta 60
tattctcaca aaggataaaa accaaagcca ctagagcaga gtctttggat ttttctgaat 120
atggaaagca nccatgcatt acattgaagc atattccaac gtcagggaac agagcactgc 180
ttcctgtcca tgtcaccgca aattccgtgc tgagtgttac tgcgccaaag gacatgttag 240
gatgccacaa cgggttctcat ctgggtccgtg atactcacag gctgatgtng tacactagaa 300
agggagggct ctttccaagt tacagaactt attttgcaat atttctggg aaagaattct 360
gctacaagct ttaatcaatg taagaaatgc tgtaactaca ttaaagtaaa ctgtacatg 419
```

<210> 118

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (469)

<223> n = A,T,C or G

<400> 118

```
aagcgccctc gagaagtgtc taaaggagac aagttgatag ccaaacaaca gttttggatt 60
cactgactga ttatgaaaga agcagtagac tggtatcaag aatcagtcag catgttcttg 120
agcatcctga gggcagggac cagccttgac gacccacct ggcagaggct cccagcagc 180
agctgctctg acgagatgtg ctcccaggag agagcaacac tgtgtgggga aagcccagct 240
ctgagaggcg gagaaaatgg gaagatcacc acctaggtgg gagggcggag aaagggataa 300
agaggagtac aaaataaaga tgaccttctt gcctaccagc aggctgagaa cagatggggg 360
agatcaactg ttagaaatat ttagagtgc agcaaaccac catggcgcat gtgtcctgtg 420
tacaaacctg caggttctgc acatgtttcc caaacnttaa ataaattaa 469
```

<210> 119  
 <211> 349  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (349)  
 <223> n = A,T,C or G

<400> 119  
 atcccatgga gcggatggag cacatgagcc aagggtaggc gggctcagta aagaaaagcc 60  
 caaatctctc ttcagctgta agttggccct tcactgggct gcactgacca gacctgaacc 120  
 tgactatgtc atcatgactg atgccaatgg gttcatatga ccattgccat tggtcaccgt 180  
 attagatatg gtgacatcac tttacacact tctgagtctn tccaggcaac ttgtatgtag 240  
 tgtgcagtct gaagcaatgt ctaatctctc agaagaagtt ctcaaaggaa tgttttccaaa 300  
 aggaccattt ttttccgata tattggaaaa taaaggctca cctaaaaat 349

<210> 120  
 <211> 476  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (476)  
 <223> n = A,T,C or G

<400> 120  
 gaagcacctg cagggagcaa gctctcgagg aatttctaata taaggacttc ttgccaaagg 60  
 cacatcacca cactgacatg cctcatgacc tgggtaaata caagatggaa aaattgagac 120  
 ccaggagggt tatttaccat gccagaactt gaaccagta aagatgggct ttcataatgt 180  
 tggccaggct ggtctcgaac tcctgacctc aagtgcctcag cctttcaaag 240  
 tgctaggagt acaggataaa cattggacaa aagaaaaaaa attgagaaca ggggaaagaa 300  
 gtttccattg tctctgaggc cttccataag agcgaatcaa gaactgacct tatttctcag 360  
 atctggatgt aaacatgtac tctttctgcc tcctgcctcag gtgacctcac catgccagc 420  
 ataagcttat gctgacccca aagtgtggca gtattattnc aactcaacaa gtttgg 476

<210> 121  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (448)  
 <223> n = A,T,C or G

<400> 121  
 attgaagatg tcctggatag tggtatatat atgagcctgt gttttcagac tttatgaaca 60  
 ccttgaaatg agatagaaaag tcatttggag ggacaactga atgacacact tctgttcaca 120  
 ggtaaccagg accacaagga accacaacag ggaggattac aggattgtgt tatcacctgg 180  
 aaaatcttga gataggaaaag tacatttttc aggttccttc ttcctctggc ttccagacag 240  
 gttcagccaa tggaaaacac tgggtggaaa ttgaagtaca ggaggaaaaca agaagccaaa 300  
 gttcattgaa aagttcagga aagaagaaag aagaattcat tgaaagaaga aaagaacagc 360  
 agtatggcag gngataaacc ccaagttttt gggtccnnnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnaaaagg gnncgggggg gccttttt 448

<210> 122  
 <211> 221  
 <212> DNA  
 <213> Homo sapiens

```

<400> 122
ccaaccttcc agccagagga ggcctcgtga cccagttcta cccaaacaga cccaaacaga 60
agcacctgac aagaaagtgg ttatgtttct agagctgcat cagctattta taaccatgat 120
ggcaagtccc agagaactgg tcttgccatc actgagcagt tgaaccaata ccagcatcac 180
caactttcct gtatatgaga aaaataaact ctatttcttt t 221

```

```

<210> 123
<211> 389
<212> DNA
<213> Homo sapiens

```

```

<400> 123
gaacccccgg agcttctcgc atcgggtggg accggcatcc ggtgagaccg cgggtggctct 60
ctgggggctga aaattccaag cagagtagcc cgaggaatcc agccatcccc gagggttcag 120
aaatgcaaat cagggctgtg tattcacagc ctggactgga gatcgaccaa aaactatgca 180
gggctcaccc ttgcggggcg gcggctaaat ttaggaaacc aaccatctgg agaatgcagg 240
catcagaagc ccctgcagct aggaggatca atttcaagtt catttttatt cactgttcac 300
agatctccca gtttttctta gcgtgttcaa gctggaaagg atttcagaga ttgtgtcacc 360
tagatttatt ttacagaagg aggaactgt 389

```

```

<210> 124
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<400> 124
aagacaaggc cgtggctatg ttgcccaagc tgggtctccaa ctcttgggct taaacgatcc 60
tcttgccctg gcctcccaat gtgctgggat tacaggcatg agccactgtg cccagccctg 120
aaacaatatt cttgatacat aaagaacttc tgtaagtcag taagaaaaac actaacaatg 180
taaataattaa aggacataaa atagctaatt tacaaaaagt agaaatgtta cagttaataa 240
acaggagaaa tgcttaacct c 261

```

```

<210> 125
<211> 454
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G

```

```

<400> 125
gtgggggtctt tcagtggaga agtgtggaga aggaaaggag gacctggact gcagggtggag 60
gaggaccaag gaggtctctg taatatcaag atcaagcgtg ataagatggg gttttgctat 120
gttgcccggg ctggtctcga actcctgggg tcaagtgatc tgtccacctc ggctcccaa 180
attgctggga ttacagacat gagccaccgt gtgcagcctg cctctgtcct tctgaaaaaa 240
agatggtaca gtcaagatga cctagctgta acctgggtac tagaggacca aggagaaaaa 300
taaacttcta ccacgctttc gaaaacaagc actcaaaactc aggagatact tgattgaagt 360
tgaaaaaagg ggngcattcc ccaaggcagt accctcatga atgggattag tgtcctttaa 420
taaaagagac ccaagagagc tcccttgctc cttc 454

```

```

<210> 126
<211> 238
<212> DNA
<213> Homo sapiens

```

```

<400> 126
accctgaatg ccaacaacca gtttgaagac cccacagag gaacggatca gcatgagaat 60
gcagggtggt cactccctg tcccatgttc accctgcatt ttctgaccaa tcaacaaccg 120
ccaagcctgc ccctttccaa aacccttaaa aactctaacc caaactcctc agagagatgg 180
atttgagggt tctccctc tcattcgggt gccctttgat taaacctttc tctgctgc 238

```

<210> 127  
 <211> 208  
 <212> DNA  
 <213> Homo sapiens

<400> 127  
 gacatccttc ccattgacac tggagggggcc aactacatgt tttaatcaga gcccacagct 60  
 gcccacacccc actgcagagt gagctactct ccaccaacccc tgcagccctg aagtttctgt 120  
 gaccactgaa gaggcctgtt ttcagactta ggggtcaaagt gtgggtgacc tccaacacct 180  
 actgtagtga aggaataaat gtcaatag 208

<210> 128  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(384)  
 <223> n = A,T,C or G

<400> 128  
 gcttctactga gaagatgaac cngccgatga ggtgtgcaga gaactttggc tgcacaagtt 60  
 aagaggaaga ggctgagtct cagctcagag agtgctggta atgccaagca cagcagagct 120  
 gccagagggga tctacttgga atctggggag gccctgggga gactaactgg tacaatttaa 180  
 agagatgcaa agcaaattgat atgcggggca atcatgtgaa aagcctgctg ccttacagga 240  
 tggactccag ctgctcagtg ggacgggctg ttgggggctg ggttttggtg gggcaagagg 300  
 gccccggatg gagtgatgga cactctaact cactactccg ccgtccaata cagtccagat 360  
 tgnttaacaa ctcttaaaaa taaa 384

<210> 129  
 <211> 356  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(356)  
 <223> n = A,T,C or G

<400> 129  
 acggaatctt gctctgctgc ccaagctgga gtgcaatggc acgatctcag ctactgcaa 60  
 cctccgcctc ctgggttcaa gcaattctcc tgccacagcc tccaaccag ctgggattac 120  
 aggcaccccac gaccacgccc ggctaatttt tgtattttta gtagagatgg ggtttcacca 180  
 tgtngggcag gctggtttca aactcctgac ctctgatcc gccaccttg gcctcccaa 240  
 gtgctgagac tacaggcatg agccaccgag cccagccaag cagacacttt tctaatacat 300  
 tttctgttca ttgtacaaat taattcttaa tgaatgaaga aattatttta atctac 356

<210> 130  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

<400> 130  
 gccctgcact cgatggatca gctggcacca cccagatcaa taaactggct catctggtct 60  
 tgtggcctcc atccaagtac caactcagtg caagaagaca gtttcgacct cgtatgattt 120  
 aatctccaac ctgaccaatc agcactccct actccctggc cccctaccca ccaaataatc 180  
 ctcaaaaaaa cccagtctcc aaatttttcag gaagactgat ttgagtaata ataaaactct 240  
 ggtctcccgt cc 252

<210> 131  
 <211> 456  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(456)

<223> n = A,T,C or G

<400> 131

```
tgtgaggata caactgggaa ctaaagctgg aagatgccag acattcagca gggagttccc 60
tcatcagcag ctggctaact ggggaactga aagtcacaag gcgctcgttt ctgataactc 120
catgaaaatt cactctgggt cagaaatcaa tctttggagt tctgaacatg cagcttttct 180
catgggcctt ttggagaaca atcagctact cagccatcag agcctttttt gctggatggc 240
aggcaggaac tgacagcaaa ccacgtcttc tacaacacgc agaagatcag caccaagtct 300
ccattctccg aaaacatgtg tccatgcagc tctcccangg gaggtctgcg ctgcagtgga 360
angccccaag aagcgtggga acccancttc atcgcgatgaa ggaaacncag agttgtacct 420
ccagatgccg ggcggagcgg cgacgtgacg cacgggt 456
```

<210> 132

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(462)

<223> n = A,T,C or G

<400> 132

```
atgggtcacc tgaaatttct gacaacctgc ttcagctggg attaatcttct ttgaagtga 60
atcagtttaa ctgaggaatc aatttgcttc cttccatata tgccaaggaa aaactgtaca 120
tagacattga cccacaatac ctgggtgacc acgggatccg caagagatgt ccaaattatg 180
aacttccatt aaaaaaaaaa ggtggttcta tggctgcctg gaatggccat atttaattgc 240
tccccaggat aatagcattt attgttaaac ttgctagaaa cataacaaaa acgtaaatgc 300
taatctttaa aataagcagg actcctatca catccttctc ttgnggcttt tttccctata 360
cccctgcttt gggaaccggc ttgtttggan tngaaaaagg ctctggaaca ngggattctc 420
acctcancac tgttnacatg tgggacccaa aattttggga aa 462
```

<210> 133

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(356)

<223> n = A,T,C or G

<400> 133

```
gggcattcag nataagccat catataccct gngaccngcn cgcncacntc tcagatggcc 60
ggttcctgcc ttaaccgatg acattncacc acaaaaagaag tgaaantggc ctgttcctgc 120
cttaactgat gacatggtct tgtgaaattc cttctcctgg ctcatcctgg ctcaaaagct 180
cccctactga gcaccctgtg acccccactc tgcccgccag agaacaaccc ccctttgact 240
gtaattttcc tttacctacc cgaatcctat aaaacggccc caccctatc tccctttgct 300
gactctcttt tcggactcag cccacctgca tccaggtgaa ataaacagct ttattg 356
```

<210> 134

<211> 245

<212> DNA

<213> Homo sapiens

<400> 134

```
aaggagctga gtctccccag aagaggaagt ttcaactgag cgattctctg acagaacatc 60
gtggattgag aggaaataag aatgggtgtg cctgcttttag gattacacag tgctggacct 120
```

```

ttgaggaagg agaagcagag atggatagaa ttgttggtggc agaactgagc ttgtatactt 180
ggtcctgtgg aggggtatcta ctcttcttcc agctgcgtag ggtaaataaa ggttttttga 240
aagct 245

```

```

<210> 135
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<400> 135
attgttcaaaa gaaacactgg gaactttccc ctccctgagg aacttccata gatgtacacc 60
tttgggtctcc atcccaaact tgctgacctg tgattgttca tccactgccca gccatctctg 120
tcctccacct gcacctggga cctggttgccc tgcacccatg gacaatctcg gcttccatcc 180
agctccactt tgcgctctct ccactcttga atcgcatgaa cccaaccaac tggttcatgt 240
gtttattttt catttccttc ttttgttcta tgtaagtgtt tgtttatttt ttaacctttt 300
tacttgctt gaatcctttt tggaaataga tgaggtctaa attaaaattg taataaataa 360
caccgaacat agccttttta aaagt 385

```

```

<210> 136
<211> 400
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (400)
<223> n = A,T,C or G

```

```

<400> 136
gacgtctggg gagctcctgc attaatgcat gaactgaggc tggcactgca cagagatgga 60
acctgatgaa acggcccatc ttgagcgctt gctgtatcgc gttggctctg cttcctgcag 120
ctgtgctcca agatgagcct ttcagacatc gctccctaat agctccatct cccccagtcc 180
aggaggatgc gcattcctct cctcattcac atgcaccact tcaagccatc tgcacgctct 240
acaggggact tgccgcctaa catcctaatt tgcaacccca tccaaatcct ctgctggaat 300
ctcactattt gcaccactta cgctccngga gcgtgaaaca gaagggccag tcctcttgtc 360
tctttattct aagtgnntaa tacagattcc atgggcttgg 400

```

```

<210> 137
<211> 216
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (216)
<223> n = A,T,C or G

```

```

<400> 137
gtggggtctt tcaatctgga tggactccga tntaaccggg gtccttaca gaagagaaga 60
caggacacgc acacaaagcg agggtcagcc atgtgaggac agtgagaagg cggccgtcna 120
cacgccaagg agagaggcct gggaagaaac caaccttaca ccttgacatc agacttctgg 180
tctccaaaac tgtaggaaaa taaatttctc ttgttt 216

```

```

<210> 138
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (450)
<223> n = A,T,C or G

```

```

<400> 138
atatgacatt ggatatgtgt ttggacaactt ctgcccagagc atccatactc caccactcaa 60
tagctgctca ttcaggctag taatctcata tgtgttggga caactgagct tccagaatga 120
agagggcaaaa ctgctgccag acagagtgtc actgtattgc ccaggctgga atggagtggg 180
gtaatcttgg ctcaactgcaa cctccgcctt ctggggggttc aagcgattct catgcctcag 240
cctcccagagc aggcgcacaa caccacgccc ggctaatttt tgtattttta gtagagatgg 300
ggttttgcta tgttggccag gctggtctga cactcctagc ctcaagtctg gtctgcctgt 360
cctgggctnt taaaagncct aggattacag gcntganccc cgacccagnc ctgattttat 420
ctcttgatca tctggattaa actgtaccaa 450

```

```

<210> 139
<211> 330
<212> DNA
<213> Homo sapiens

```

```

<400> 139
gaaacctgcc ggaattctcc ttcttccccc gtcttcacac agctgtgacc ccgaaccctgt 60
ggagtatcgc tccttgaggg gctcctgcag cacctgggtac ttggccttgg tgatatggac 120
cacttgattc aacactcttc ctctgggtga atgggacatc cctgaaggca ggaccaatgg 180
cccgtcatt ctccagagcc tggctcatca tgagcccttg aggtactaat tgaaggagta 240
aattcacatt ctcttgagc atttccttct actctttctg tgcattgctaa tttactttct 300
ctagtaataa taaatgtcat tttgttttac 330

```

```

<210> 140
<211> 236
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (236)
<223> n = A,T,C or G

```

```

<400> 140
agaacctgga gatctgcca cccctccacc atatgaggac atggccagaa gacagtcacc 60
taggaacgag gaagcaggtc ctcaccagac aatgaatctg ctggcgcctt gatcttggat 120
gtccagcctc cagaactgtg agaaataaat gtcttttgtt tgtaagcaaa aaaaaaaggc 180
cngcgaggcc aattnagctt ggacttaacc aggctgaact tgntcaaaag gggggg 236

```

```

<210> 141
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<400> 141
ctaccacagc accctctgca acttcaaagg agaaagggac tcagcacaaa tgcccagcag 60
gagagagtgg acaaaatggc tcttgtcacc aatggaatgc tctacagcaa ttcaaaagaa 120
agaaacacct ctacatatcg atggaaataa acaaaaacta ggtgcaatgt ggtgtcctgg 180
atgaatcctg gaacagaagg agaacatacg aggagaaact gttaaagtcc aaataaattc 240
tggaactttg 250

```

```

<210> 142
<211> 313
<212> DNA
<213> Homo sapiens

```

```

<400> 142
gattttgaag cataaggtcc atctgttggg ggaaggcaag aagaatcagt tcttctctcg 60
agcacggccc attcatctag actcacgcaa tgactgtgat tccaaaagac tgaccaaaaca 120
ttaccaagtg ggcaggctac tggggacaat tccggaaaca tttctaggaa gactggaaga 180
aatacagtaa tctagcacat atgcaaaaga atatcaaaag atgaactgtt ttcacagacc 240
aacccttatg aatgctaaca tgtccagtc tcttacagtt cgtcgctagg ttaatagagg 300
cattcaaaaa ttt 313

```



<210> 143  
 <211> 443  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(443)  
 <223> n = A,T,C or G

<400> 143  
 gaggaggctc cacctgctgc cggcccacca atacttccgg ctgactgctt tgccgaacag 60  
 gaaagggtct actttctatt ctctatatatt aacaagatcc catgttttag gtgagcactt 120  
 tggtcaccca cttaaatagac gacattttctc agactcactt gtagtagaat ttatagccat 180  
 ttgatttagt tttggcctgt gagctgtaag ggaaagtgtt caatgatgca tcaggagagc 240  
 ctctttaaaa acaaaaaggag aaagtgagtt gagttatttt cccttttttt ttcaccctct 300  
 tgcctggatc atggtggatg tgaaagctaa gttctgataa ctggccttga ccatgagaat 360  
 aaggggccccg ttgtangggg gggggaaaaa ttgngctgga anaaagaact ngcntctggt 420  
 atgacttcat ggagcttctg cca 443

<210> 144  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(342)  
 <223> n = A,T,C or G

<400> 144  
 acggaatctt gctctgctgc ccaagctgga gtgcaatggc acgatctcag ctactgcaa 60  
 cctccgcctc ctgggttcaa gcaattctcc tgccacagcc tcccaaccag ctgggattac 120  
 aggcacccac gaccacgccc ggctaatttt tgtattttta gtagagatgg ggtttcacca 180  
 tgtnggccag gctggtttca aactccngac ctcgatgacc gccaccttg gcctcccaaa 240  
 gtgctgagac tacaggcatg agccaccgag cccagccaaa gcagacactt tttctaatac 300  
 attttctgtt catttgtaca aanttaant ctttaattga at 342

<210> 145  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(393)  
 <223> n = A,T,C or G

<400> 145  
 atggagtttc tctctcggtg cccagactgg agtgcaatgg cacgatctca gctcactgca 60  
 acctctgcct cctgggttca agtgattctc cagcctcagc ctcccagta gctggaatta 120  
 caggcgctcc ccaccacacc agctaatttt tgtatttttc gtagagacgg gatttcgcca 180  
 tgttgtccag actggtccca aacttctggc ctgaggtggn ccgccccct cagcctccca 240  
 aactgctggg attgcaggtg tgaaccacag tgcccggccc attctttctt tttcttagca 300  
 tccctatatatt agtctgtttt cagctgcta ataaagacgt acccaagact gggaaaantt 360  
 attgntnaca aaaaaaaaaa gggcgggggg ggc 393

<210> 146  
 <211> 281  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1)...(281)  
 <223> n = A,T,C or G

<400> 146  
 cgtacggatg actnccgnan gctnngcaca cnetcgaaat gcgnaangac cncgggctgn 60  
 gntcgtggac ctgnnncngct ncctttttgag caagttcaag cctgggttaa gtccaagctn 120  
 gaattggcct ccgctaggcc tatatngaaa ttctatatag ggccgctatg ngccaatttc 180  
 ttttgctttt taccttgggg gaaaggaaat acctcattag aagcccaccc ttctggtgta 240  
 ttttaccccc naattctttc aacaaaggaa aaaaaactgg t 281

<210> 147  
 <211> 472  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(472)  
 <223> n = A,T,C or G

<400> 147  
 gtctaaccat aaaatcatca atactgagaa attaaaaggg gaacatgtca ggcctcactc 60  
 tttctgtatt ggctttcaag agtattgtcc ttgagggaaa gccatctcct tcttgacacc 120  
 atggctaccc ttagaccctt cgtgaagccc aagatcatct aagatggacc aagaagttaa 180  
 tccttcacca gtcagactga catatcaaaa ttagatgtac gcatatagca gcaaccaga 240  
 ggcattgaca acagggtggg gagaaaaatc aaaggcgaga ccttgatccc caacattggt 300  
 tgtgggagca aaaagaagca aaacacatgc tccccagtgg ctttcaaaaa attctgnttc 360  
 ccnatgtca aaaanctgga agtgctgctg atgtgcaaca aatcttactg gctgagattg 420  
 ctcaacatgc ttctccaaga acgggtaaaag ccctgtggag agagtaaccg gg 472

<210> 148  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<400> 148  
 agtcgtcctt gtctactcca ctaccaaagtg ttgaagttct tcaagaatca gtcctttgga 60  
 ggtgatgtca ttgaaaatga tgagtaggaa actccaagag cgcattttct caaaaacca 120  
 gtgaatacat tggcacaat tgtcagaatc aattttatat aaattctgga aattagtcaa 180  
 aggtttatag taaccaagga aacatctttt taaaaagatg gctgaggctg gatgctgtgg 240  
 cttataacctg taatcccagc actttgagag gccaaaggcg gcagagcatt tgagtcagga 300  
 gttagagacc agcaaaaaaa attagctggg tgtgtttgcg ggcacctgta atccctcagg 360  
 gaggctgagg cgggagaatc gcttgaacct ggaagatgga ggttgcatg agccaagatc 420  
 gtgccacctc actccagcct gggatgata gtgagactct gtctc 465

<210> 149  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(434)  
 <223> n = A,T,C or G

<400> 149  
 gggcattcag ataagccatc atatcccttg tgacctgcac gtacacatcc agatggccgg 60  
 tccctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120  
 taactgatga catgggtctt tgaaattcct tctcctggct catcctggct caaaagctcc 180  
 cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240  
 aattttcctt tacctaccgg aatcctataa aacgncccca cccctatctc cctttgctga 300  
 ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagcttt attgctcaca 360

caaaaaaaaaa aaggnnnngg gggncnattt anttnggant taancnggnn gaaattnttc 420  
 aaaagggggg gact 434

<210> 150  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (435)  
 <223> n = A,T,C or G

<400> 150  
 gggcattcag ataagccatc atatcccttg tgacctgcac gtacacatcc agatggccgg 60  
 ttctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120  
 taactgatga catggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180  
 cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240  
 aattttcctt tacctaccgc aatcctataa aacggcccca cccctatctc cttttgctga 300  
 ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagcttt attgctcaca 360  
 aaaaaaaaaa ggnnnngng gncnattnag ntnggnctta accnggnnga actntttcaa 420  
 aaggggggga ctccc 435

<210> 151  
 <211> 81  
 <212> DNA  
 <213> Homo sapiens

<400> 151  
 aatcaagatt tcaactggatt tcccttgagg tgcacatttc ctggatgatt tccacttgtg 60  
 aatagaaga agattcgttg c 81

<210> 152  
 <211> 198  
 <212> DNA  
 <213> Homo sapiens

<400> 152  
 aactcccagg ttctccaact acaacagatc tccaaaacaa aacaagcaaa actcagaatc 60  
 tgatggaaag ctgtttttta aagacaaaga tgggtggggaa aatacaatta atatctactg 120  
 acatctacta caccagccac tgtgagggga agtctacatg ttatcttata aaaataaaaa 180  
 caccaccataa ccaccatc 198

<210> 153  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (367)  
 <223> n = A,T,C or G

<400> 153  
 cccaaaccat aaggnccatc tcaccttcac tgcaacaaag aagggttggt aaagctggac 60  
 acagatttgc tcggcttcac cctctgatgt gttccacacc acttcacgcc acttttcaaa 120  
 aagatgataa aacgtcaggc tgagtagaac agaactgggt gcaaataaat ctctctgaag 180  
 ctaacttgcc tctctctacc cctacttccc tctgcacgtg cctttgcttt attcccctgc 240  
 atgagagaag cagtcaaadc tttccattt tcatacctgg attgctgctc aacagcctca 300  
 acaactgaga cctgaatgta tccccattt aaagaaccta acagaacatt aaaattgttt 360  
 cctgagc 367

<210> 154

```

<211> 408
<212> DNA
<213> Homo sapiens

<400> 154
ctttttaagtt tcgggtgacc atttttgccc caaggcttaa caaaaccctg gaaaattggt 60
acaaaagctg ccaagctcaa agaggctgaa agcccccatt gaggccgaa gaggcaataa 120
tatctgactc aaagtcacga tgattcttcc gatacacaaa caaggccaca actacagaga 180
tcgccaggca aacgatcact gctatcacaa tcccaacata gagagcaaca tcatctgaat 240
caggagcggc tagagaggag agtgaaacat tgaaccagct gcttatagaa atttcccaca 300
gtacacatat gtattgctat aatTTTTTca gacatttact gcctTTTTta taggttaatt 360
tcaaattctat ttcaaaagct atataaaatg gctgtggcct ttcagtgg 408

<210> 155
<211> 364
<212> DNA
<213> Homo sapiens

<400> 155
attccctaga gacaaagcca gtttgctga cctctcaacc aaagaaccct gacaacttac 60
tccttagcta gtatctccgt atatataaag atgtcaactt catcatcagt tcccagaaac 120
cctctccaac tgagtactgt attgtatgta atatgaacaa aaactatgaa aggaaagaaa 180
attgaggccc agagaatgca aaaaatgatt aaattcagag gcaaataact gagaagtagc 240
aaggccaaga acaggcatct aggttacaca tctctatctt cgagtgcatt tttctaaaac 300
aaagggtctg gaccacaaaa ccatacctg gaattgcatg tgtgactgaa agggaggaaa 360
ctgc 364

<210> 156
<211> 291
<212> DNA
<213> Homo sapiens

<400> 156
actccaaata agaaaatgaa agagtacaat tcaggagatg aaagaaaagg aaaatccagg 60
aaattcaatc agatctacat gactcatggt gtgtcaactg caaatttctg atttcaaact 120
taaaaaaaaa gaaacttcaa ggacccttca aattatgttc aagtcatatg cctgatgaga 180
caattgaatc acattactgg actacatttt tcccccttga ttcaatctct tgctgccaca 240
aatatgtttg ttcagtgtaa atggagtgat aaagattgac ctttctagtt g 291

<210> 157
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G

<400> 157
ttggggagct cctgcattaa gtnananctg angaaaaaga gaacagcgag gagaaaagga 60
taatagagga aaagagcaga aagaagccat ttatatctga ctgctgctgt gggagttaca 120
gaatctccct cttcaacttg ggccctttgc agatgggtgtc tctacaaagc aaagtgaat 180
ggacgggttt ccagctaatt tgttttgtat ggacagccaa gctggacact tgcagaccac 240
aaagtctgtg aatgagaacc tgggagctga catgagaaga attgagctgg agccttttgc 300
catcactgaa taaataactt accctcttga atccttacct gtacgactgg cataagacac 360
cagcctgcct ttcacacagc ttgtgatcta ataagataat gcttatgtac ctgttttaat 420
ataaatagac tgatattaaa atggcacgta acac 454

<210> 158
<211> 373
<212> DNA
<213> Homo sapiens

```

```

<400> 158
tacaaccaac tctgaagcca agggaccacc tttgcacatg agagacagtc atcaggaagc 60
ccaactgatc aatatgaaat cagtcaccca cggccgggcg cagtggctca tgcctgtaat 120
cccagcactt tgggaggctg aggcgggtgg atcacctgag gtcaagagtt ccagaccagc 180
ctggccaaca tggtgaaacc ccgtctctac taaaaatata aaaactaact gggcacagtg 240
gcgcacacta ataccagcta cttgggagggc tgaggcagga gaattgcttg aatatgggag 300
gcagaggtta cacagagcca agattgcgc attgtgcgat ccagcctggg caacaagagc 360
gaaactccct ttc
373

```

```

<210> 159
<211> 391
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

```

```

<400> 159
tctggggagc tcctgnnttn agntacannt ntagggcatn actganagcc atctatcccc 60
tgngacctgc acgtacacat ccagatggcc ggntcctgcc ttaactgatg acatttcacc 120
acaaaagaag tgaaaatggc ctgttcctgc cttaactgat gacatgggtc tgtgaaattc 180
cttctcctgg ctcatcctgg ctcaaaagct cccctactga gcaccctgtg actcccactc 240
tgcccgccag agaacaaccc ccctttgact gtaattttcc tttacctacc cgaatcctat 300
aaaacggccc caccctatc tccctttgct gactctcttt tcggactcag ccacactgca 360
tccaggtgaa ataaacagct ttattgctca c
391

```

```

<210> 160
<211> 285
<212> DNA
<213> Homo sapiens

```

```

<400> 160
gtgcttatca cacatgcagt caatgaacac ctcacaaatg caagggttcac atgcagtctt 60
cgatgaacac atcgatcgca tccagcagta tgtctgtatt ggaaaagtcc ttccatagca 120
cccagtaatg aaaaggaatg tggcggggag cagtactgga cagtaaaact aaaaacacca 180
ggaagatcac agtgagatca gcagagccct agaatggcaa atccatgaca aagaaaattt 240
ctgatgaata aaaacgtgcc tgggtccagg ccagcaattg gcttc
285

```

```

<210> 161
<211> 180
<212> DNA
<213> Homo sapiens

```

```

<400> 161
atgccgtttg gagtagctac tttgaggaca agagacaaaa agcctgagga gaaagtcacc 60
atgaaggaaa cagaaaagact aaacagcatg cgtgatcttt gattcagagt ccccatctca 120
ccctggactg ccttcctttg gaattccctt gtggaaaaaa aaattaaact cttatttggg 180

```

```

<210> 162
<211> 235
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

```

```

<400> 162
gccctgcact ngatggatca agctggcacc acccagatnn ataaactggc tcactctgntc 60

```

ttgtggcctc	catccaagta	cngactgagn	gctagaagac	agcttcgacc	nentgtgatt	120
taatctcnna	cctgaccaat	ctgcncctctc	tattgcttgg	ccnctaccc	accaaattat	180
tttcaaanaa	acccactntc	naggttttca	agaanactga	tttgagtaat	aataa	235

<210> 163  
 <211> 588  
 <212> DNA  
 <213> Homo sapiens

<400> 163						
ggtccaaaact	ttaggggtccc	caccttggtta	cttgcaatga	aacggacaca	gtggaagaca	60
gcttgaggta	ggaaaaggac	tgaagactgc	agcagccagg	tgaacttcta	ttcgtccatc	120
aagacccaac	ccaaagaaac	ccacttgaag	ccaggcgagg	gggctcacgc	ctgtaatccc	180
agcacttttg	gaggccgagg	ctggcggatc	acctgaggtc	gggagttcaa	gaccagcctg	240
gccactatgg	tgaaactccg	tttctactaa	aaataaaaaa	aatagccggg	catcatgggtg	300
ggtgcctgta	gtcccagcta	ctcgagaggc	tgaggcagga	taatcgtttg	aacccgggag	360
gcggaagtgt	cagtgcgctg	agattgcacc	attgcactcc	agcctgggag	acaaagcgag	420
actccgtctc	aaacaacaac	aacaacaaac	tacactctag	tctgggcgac	agagcaagac	480
cctgtcttaa	aaacaacaa	acaaacaagg	aaacccatt	tgtaactgcc	actaattgga	540
ctatacttct	ggtgggcat	cttcaagctt	cgggcttgaa	taaaccct		588

<210> 164  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<400> 164						
agaggaacaa	aatggacaca	gtagtctctgt	gcttctcctt	gcaaagtggag	caacaggacc	60
aagatccgaa	gcaatatcag	aggccactgc	accagcagc	agagatgaga	acaactgaag	120
ttccaaatag	atctatggca	agctcaaagc	taaggtcata	aaatgttcta	tgaaagcaag	180
accatgggaa	gaactggcac	atgtgttttg	gaagaggaaa	aggttattga	gtgcctacta	240
tgtgtcaggc	actgagctga	atgcttcac	atattaatgt	tttatacttg	agttttcatt	300
aacagctcta	atctgtacta	ttaataaaa	ataaagaaat	cc		342

<210> 165  
 <211> 350  
 <212> DNA  
 <213> Homo sapiens

<400> 165						
aaaatagttg	gagaaatcta	aggttgaaaa	caacatatgt	tctctatatt	aaaacgtcaa	60
gagctgtact	gaggaagttt	gtggagtggg	tggtagtgat	agagacatac	tcaggaaggc	120
tggacccatg	gaggctgccc	accttggtca	ttgatttcta	cttgattgat	tccttcttga	180
ttgatttcca	ggatctctga	aacgagaagc	cctccccttt	atatgtttta	tcagatattg	240
caaagtggac	ctgagaacga	gcctgtcgga	agcagattat	gaaggggcct	atgttttgaa	300
tatgctgaac	tgcttttggt	tgtgactggg	gaagattaaa	ggcctacaac		350

<210> 166  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<400> 166						
agtgtgggat	tttcagcaag	aagcagctgc	tcagtcaggg	gctacatgcc	ccagcacccc	60
ttgtatctag	gtgggtgcat	ataactactc	ccaccaatgg	aatggaaagt	gatttgagca	120
cctctaggct	gagggagggt	gaaagtgatg	tgccctctcc	gtgctctctt	cctccatctg	180
ccaacacagac	acaggggact	ccaagaccct	aggggaatgga	agagcaaccc	atggaagggg	240
cctgggctgc	tgaatcactc	agggcagggc	tccaccgggtg	gagtgaccac	cagtctgaaa	300
cacctatgtt	ggactgagtg	agaaataaac	tctactgtgt	taagccat		348

<210> 167  
 <211> 574  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (574)

<223> n = A,T,C or G

<400> 167

```
gtggntntgt ccttttggac caattatcta acctgggcct ggactccatc taccactgtc 60
ctgcctgggt cactgcagct cacttcatct tctgtgcct tctctgaaag ggcccctcca 120
aaagtttcct ggaaactctc aaacaactga gaagggtgcct cgacatctga tttgccccaa 180
acctctatac attggacatc ttctgaataa ggctgtgttg tatgttggga caagcaaagg 240
gatggaaatc aagaattctg ggtttttagtc ctgactgtca ctacatggct gtgttacttc 300
tgactctgtg aagcagaact cgggcctcta gcgtctgcta gtctagatct aaagggtgtt 360
cctgagggag agtttggcct ggcatgcagg tacctctgca gaccacaaca gtgcaccgaa 420
aacaccccct cccagcacgc acacaagtct ggctcctcag ccaaacatca aacaccaaca 480
ctgctgcca tgccagatgc caaagtgaga taatgtgtgt tataccctta agtngntac 540
aaagagaaaa gattaataaa tgtagctat cctt 574
```

<210> 168

<211> 240

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (240)

<223> n = A,T,C or G

<400> 168

```
catgtgagta ctcagaagac agctgtctgc aactcagaaa gaagtctcac caaaaactga 60
agcctaccag gaccttgatc ttggacttcc ctgccagcta gaactgtgag aaaataaata 120
agtacatatt tggtgtttgc accaccagc ctataggatt ttgttatggc agccctagca 180
gactaataca tgcngtggtt tgatataaat ttattaaaga aacttcttta tttgcttacc 240
```

<210> 169

<211> 454

<212> DNA

<213> Homo sapiens

<400> 169

```
acctcaacat gttttatctg ggagtcttcc tctttcatga cattcacagg aggcctatgg 60
tgtgccaggc cccgtggaca gcactgtgga cacagatgcy taataacagt tcctaccttc 120
cagatagaga ggcaagaaaag ggctgtggaa gcaaacccaa ggtactaagg aagccgggaa 180
gagaacctac tctagacttg gaagttgaag gggtaagaa acattcctag agaagatacc 240
tgagtcttga aaactgagaa ggaattagta acccaacaga ggtgggaact ttctgaggac 300
ggagatggag aggaagatgc tgccagctga gggaccacca ttctgaaagc taggagaaag 360
tgcgcgatgg aaagtgggcc tgagggaaag gctgtaagca cctcactatt aatcacaatt 420
ctccctatag gaaaataaat gctgtttcta ctcc 454
```

<210> 170

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (262)

<223> n = A,T,C or G

<400> 170

```
cccactggct tccttacacc tcctcgaaca cgccagatgt tacctgacgg ctcttgccag 60
```

aatattctct	gcctggaacg	cgcattcccc	agatatccac	gtggctaact	ccctgacctc	120
ttttgagtct	ctgctcaa	gttatctctt	cactcacaca	caccnttggc	actctactca	180
aatttacaac	cagccaccta	ccccagcca	aaactctgct	agaaaaaac	ggtattttacc	240
ataaagtc	tgccaagctt	gt				262

<210> 171  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

<400> 171						
atgggtgtttc	gctcttattg	cccaggtctg	agtgcaatga	cgtgatcttg	actcaccaca	60
gcctctgc	ccaggattca	agctattccc	ctgcctcagc	ctcccaaaat	gctgggatta	120
taggcgtgag	ccgccacgcc	tggccagcat	tcccaatttt	taaaaatgaa	tgattggcac	180
aaatcttaga	aagccatttt	ctgtagattt	gaaagcaatg	ctatttacat	tgttactact	240
ttcttgtaa	atcttgc	tctgcagtat	gtgttgtaat	agaaacctaa	gattatg	297

<210> 172  
 <211> 113  
 <212> DNA  
 <213> Homo sapiens

<400> 172						
ctgggactccg	tcccatagat	gagctgaagc	aaaaggacct	tcacacagaa	cttttatcat	60
cagcctgagg	aaaagtactc	gaaggacaag	gccattgggt	gggaacttac	acc	113

<210> 173  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(466)  
 <223> n = A,T,C or G

<400> 173						
cagggcctaa	gctgactttg	caagagatct	cgctaagcct	ttctgcagat	gcttgcccaa	60
tctggctggc	cctgctggag	gatatatgct	gttaaggcaa	ggcaggcaga	ggcagctctg	120
gctcgtctcc	acgtgcactg	gctggctttc	cagaggggac	aatgcacccc	acagaccaca	180
gctgtcattt	ggccatctct	accttcaacc	ttaccaagca	cctggcctca	gcacagattt	240
tcagagaaaa	ctttgaacaa	agcaacccaa	cactgtattt	gtagaattgg	aagagacttg	300
gagccttccg	aatgtgacct	gactgctcaa	atggagaaat	gagaagtggg	taagcttgag	360
cgcaagctta	cactggnagg	tgggtggttg	aaacgaaaac	ctctggattc	ctattaccag	420
gncaagtntt	actnttcagt	ttatcatata	nggctttaag	gggagc		466

<210> 174  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 174						
atggagtttc	tctctcgttg	cccagactgg	agtgcaatgg	cacgatctca	gctcactgca	60
acctctgcct	cctgggttca	agtgattctc	cagcctcagc	ctcccagagta	gctggaatta	120
caggcgtccc	ccaccacacc	agctaatttt	tgtatttttc	gtagagacgg	gatttcgccca	180
tggtgtccag	actggtccca	aacttctggc	ctcaggtggg	ccgccccct	cagcctccca	240
aactgctggg	attgcaggtg	tgaaccacag	tgcccggccc	attctttctt	tttcttagca	300
tccctatatt	aagtctgttt	tcacgctgct	aataaagacg	tacccaagac	tgag	354

<210> 175  
 <211> 181  
 <212> DNA  
 <213> Homo sapiens



<400> 175  
atcctcagtg tcatatgatg gctgctgtag atcctgccaa agaagataga gtatcttcat 60  
cacaagccag ttcctgacct tcccactaga ggagctgaac aaatgtcatg acaatttaac 120  
agaatagagc tacagaaaga gctaacagaa tagagctact catcatcatc ctctagcctc 180  
c 181

<210> 176  
<211> 240  
<212> DNA  
<213> Homo sapiens

<400> 176  
gaaagttgtg tttttgctcg tcgactcaag gcctcgagga ctttccccac tttttctat 60  
ggcacacaga gttctgcacg tgaacttctt gctgggtaac tggattgcat caaaatgatt 120  
tctctgtgag gtactattgc taccaggata tcaattacta tcctaattgtg gacatttgct 180  
ctgatatgca taacaattga aaatagaaat aagcctctca gggcaatcat ttcaattcac 240

<210> 177  
<211> 173  
<212> DNA  
<213> Homo sapiens

<400> 177  
ccaccctcct cctaactttg gacagagctt actccagaag acagtcttgg agtagaacac 60  
catggaccaa gtacttgccg agcatgcccc ctgccctcga ttgtacatgt gcaaatactt 120  
tcttttgcccta ttcagaaatt agcagaaact gttgaataaaa gggataaagg agg 173

<210> 178  
<211> 317  
<212> DNA  
<213> Homo sapiens

<400> 178  
aatactgtgg tatttcctct taaatacaat cttccagggc aaggcatggt attccagata 60  
acacaccaac aatggatcca ttctatggct tcacaaaagtc aatcttggag aaagaaccgc 120  
caaaagctgg cacaagcagt agcaccttta cagtgggcag gaaaacaacc agaagtcttg 180  
gggctgcaga gatccaggcc ggcgagaagt ccagagcatc agacaggaag agtttcctgg 240  
gggtaggaac agtgactggc acatgcggga taaaagttca tgaaagaagc cgaatcgatt 300  
aaaggaaata aaaaggc 317

<210> 179  
<211> 170  
<212> DNA  
<213> Homo sapiens

<400> 179  
ggacaacgtc ttgctatggt gcctggactg aactcgaact acccagctca agcaatcctc 60  
ccaagtagct ggaactacag ggtcgcactg tgttttatct aagttttaag aatatatatt 120  
tcaccccaca ccctcttgcc atgagactca ataaaaatat atatacaggc 170

<210> 180  
<211> 220  
<212> DNA  
<213> Homo sapiens

<400> 180  
gttatcaaag agtcttcagt ttgggtggagg acggatttgc tctaaagctc tttagaagga 60  
gaaagagaag cattctgcag gaaccctaga aatgaaacgc aaccagcaag ctgccatttg 120  
tccagagaag ctcacactcc ctgggaaatg gaatattggg tctcaacctg aagagtagct 180  
ggacagagac aggaattcac aaataaaagc tttaaaagat 220

<210> 181

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<211> 360
<212> DNA
<213> Homo sapiens

<400> 181
ggtttttcagg gccaccacca tccagacctt cggaaaccct gcactggacc aacacccatg 60
tcccaggac acctgaccct aaactcgccc gtagggcctg ttgatgcacg ctaggagttt 120
cctgatgatg cccagcattt ccctacctcc ttccctcggt ctaatctcag ccccttctca 180
tctccacagt gctagctgct ctgttcccat tttgtcccac ggtccagcac tgggcttttc 240
gctgaccgcg taccatgtgc catttattta tctggccaga cgctgaggct cagaggttct 300
gcttctctgat acgggacctg gcacaccaa ggagcccaat aaatgtctag ggagcgaatg 360

<210> 182
<211> 362
<212> DNA
<213> Homo sapiens

<400> 182
acctccagcc ttcaaatttc aatcataact tcagctaaaa gcagcggcgg gacagacgct 60
gaagggaagt gacacggagc taacgcacag cgcttccaga gacactttct ccgctttctc 120
gcagctcctc cgcacggcgt cctgtgggcg gccaccacac cgcaatctat tctgagtttg 180
caagtggaaa ttaaatctct tgtagccgaa atgagccccc acttcaatca gcctgaagcc 240
tgtcctccca tccccaccg ccctcccgct gcagcatctt ttgaatatgc aaatgggaca 300
ccttgctaaa tggtcagcag gattgatcct gctgttttca tcaaggaaat aaaattaaaa 360
cg 362

<210> 183
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

<400> 183
gtctgagccc agggagctac ttctggagat gctgtggtct ggggtggatc ctgccttctc 60
agccctgcc tgttgaagtc actgaagtct ctgctgcac tccgggcttc tgctgagcag 120
ggctggaagg tcttgcttga ggagctgaag cccaccagca ggtggcagac aaatccagag 180
ggtattcatt ggaggatgaa gatttcctgc ctctgctcan gattctcacg gtgtggctgc 240
tgcaggggaag tcagatcacc tacgtggagg cccagggggc tggctctgga aacaggaggc 300
agaagctgcc agtctctant cttgggcctg gcantggca taacattact tccccctat 360
tcntcgntn aaagcagcac aagaacccca ccttnnttt cannagnгаа aggggctang 420
gaccccgctt ttctattg 438

<210> 184
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 184
attggaagaa gttgttagct tcttttctca gaacggacat gtggatttgg ggcaaggaag 60
aaaagcaaaa gcaaaagccc aaacattcta acgcaggaat ggcgttcgaa gatctgcaac 120
tatactactt ggaaatgatc cccaggctaa agtgaccagg gaagtgaccc aaaaaacaaa 180
ttcttcttga cttttaaggc aggtgcaact gtggacagct gaggtcccct ttgaaattat 240
cttgccatcg taggatgggc taggatgact caactcttta aatgcattgt aaagactggc 300

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tactgtat	ttt	actacattct	ggcctcattt	tttttggtta	tgat	tttgaa	actcagaatg	360
aacaatacca	cgtgtgtgat	gatttagtgcg	caaaaaaaaa	aggccagnga	ggccaattca		420	
gctnnggactt	aaccaggngg	aacttgntca	aaaggggggg	ac			462	

<210> 185  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 185								
gtcttttgca	gctgccttgg	gcccttagcg	cccacgtccc	agacccggac	ctcttggttc	60		
agatcttgga	tgaacctagc	aaccttgagg	acagacaggt	aatttcaaca	ttttctcctg	120		
tggaaggcag	aatccctcct	ccttctctca	aggatatcca	tatcctaate	tctggaacct	180		
gttacctttac	acgatgaaaa	gaactttgca	gatgtaatta	agtttatgac	ctcatctcta	240		
c						241		

<210> 186  
 <211> 476  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(476)  
 <223> n = A,T,C or G

<400> 186								
aaggaccagc	gtgcaggagg	ccctcaataa	atattaactg	aatggatgat	tcaagaatta	60		
ttccagtcct	aaacatcaaa	gatttccagg	tgatgttcaa	gagaaactat	tcaaactaag	120		
aattgcctgg	aagagtggat	tctagaagga	agaatgggtg	actaagantt	actcacatat	180		
cagaaaaacca	gaaaattcag	aagatcttag	cgatggcacc	accacccatt	caccagctta	240		
atctagaaac	ctggacatca	tcattgactc	accttgatga	tgcaattaac	cagcaagtca	300		
tgacctctct	gctttcaaat	tttttcttga	aacctatccat	atttctccat	tttcaactgcc	360		
actggcccat	gccaaaccct	catgtctcct	ctagagcttc	ctacattttc	ttctagctag	420		
atttcctcta	aaccacttta	cacagaaaag	ctaaaatgaa	tttctttaaa	aaacct	476		

<210> 187  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 187								
acccttacca	ccaccatgag	aacaagctca	ggctggcctg	ccagaacatg	gaaccaagca	60		
gaatcatccc	aactgaggcc	atcctaggcc	agccccagc	caaccctcag	ttgacagcac	120		
atgcataaag	aagccctgtg	cacatcagct	gaacttgatca	cagatcagca	aaactgtcca	180		
gtcaatttgc	agacttccga	gaaataataa	atggttggtt	taagcc		226		

<210> 188  
 <211> 90  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(90)  
 <223> n = A,T,C or G

<400> 188								
gtttatttgc	anganggggt	tnagggaatn	anngatnnag	tctgctgaaa	ntatcaccac	60		
cctctggatt	anaagggatg	tttggtatgaa				90		

<210> 189  
 <211> 261

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 189
gtggggtctt tcaccatcag atgagaacac attgagaatg tatcatctat gaaccaggaa 60
atggggccctc accagccacc aaatctgcag aagctttgat cttggacttc ctagtctcca 120
gaattgtgag aaataccttt tggngtgta tannctggnt aannncaagc tgaangggcc 180
tcgnnggcct ntatgantnc tatatggccg ntatggccna ttcnnnnngn ggnaccccgc 240
naagaaatac tcataagcca c                                     261

<210> 190
<211> 352
<212> DNA
<213> Homo sapiens

<400> 190
gttcaaaatt tctattacaa attattgcat cctcctgtga agactgcagc ctctcaggtg 60
tcttccatac gactaaaatg aagaggaagc acaaggagaa atctggacac agagacagat 120
gcacacaagg ggaagacaat gtgaagacac gcagggagaa catcacgtga agacagagga 180
tggaatgac gcttcaacaa gccaaaggaac actaaagatg actggcaacc aacagtagct 240
aggagaaggc aaggaaggat tcccccatgg gttttagagg gaacacagcc tcgtcaacac 300
cttgatttca cacttctggc ctccaaaact gggagataat aaatttctgg tt          352

<210> 191
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 191
aaacccaaag gccagaagga aatggcaaaa cagttttcat gtgctagaag actatcaacc 60
cagaatttta taccagaga atatatcctt catgaataaa gaagccacag cattctcaga 120
tgaagaaaac tatgagaatc tgttggcaga ccaccctaag agaatgacta agtgaagtcc 180
tctaagcaga aaggaaacaa taaaagaagg aatcttggaa tatcagaaaa ggaaaacatg 240
gaagtcaaaa tacagtggta aactatgaaa tgtcagcgtt cagccagatg gtatgatgga 300
gcagcagaag tcagaattca gtgaggggac actgaaggaa cagataatgg nnctgnnttn 360
gcntggaagg ggnntcaat ttgtaatttc agggttaact gcagaagtgt cttcaggaag 420
gctgcatctg caagccagga agagagaact caccagaaac caaat          465

<210> 192
<211> 134
<212> DNA
<213> Homo sapiens

<400> 192
gattctgaca agtccggagt acgtcccctc atcatcaggg caggaggtaa cgtgctgaat 60
ttaatagcaa agcaaatttt gctggagaag aaatgagatt tctttgtcaa ggaaccagcc 120
ggaggaactt cagc                                     134

<210> 193
<211> 421
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (1)...(421)  
 <223> n = A,T,C or G

<400> 193  
 agcctgaact tgatggatca ngctggcacc acccagatcg attaattggc tcatctgac 60  
 tggggggcccc cccgacccag gaactgactc agcgcaagga gacagctccg actctccatg 120  
 atttcatccc tgaccaatca gcactcctgg ctactgggt ccccccaccca ccaagttgtc 180  
 ctgaaacact gctcaccag tgcttgggga gactgatttg agtaataata aaactctggg 240  
 cttctgggtc tagatccttg aggaatcgcc acactgtctg ccacaatggg tgaactaatt 300  
 tacactccca ccaacagtat aaataaaaaa aaaacaaaaa naaaaaaaaa aagggccggg 360  
 ggggcaantt nagttnngat ttaacaaggg tngaatttnt taaaaagggg gggactaccc 420  
 a 421

<210> 194  
 <211> 472  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(472)  
 <223> n = A,T,C or G

<400> 194  
 gcctgcaccg agatcgacgc catcagcgtg gagaagaggg gcatcatgca gcaatggggc 60  
 agcagcctgg tgggcatgaa gcaccgacgac gaggcgcaca gggcggtgct ggagggcgctc 120  
 agcgtgtccc tagagcgctt cccaagtcaa aatataaaca ccgctcgctt ccgcctttct 180  
 accacatggc attccgctgg gatacttcta cgggggaagct tcttgcccgg ggcacgagg 240  
 gcgttcgcgt ccgtctgtta tggcggtgct gctgtagata accggatccg cgaatgctaa 300  
 cgctaccagg gatgctatat agcctttttt atattgccta ttaagccccg aatgntttgg 360  
 gtctanccgg tattgctaag taggattgtg acagtcacgc ccccggcagc ggtgtttcaa 420  
 agtccccctga cagctcaaca tgttgtcaca cttcangact gtgccaatcc ac 472

<210> 195  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(367)  
 <223> n = A,T,C or G

<400> 195  
 tgaggggcat tcagataagc catcatatcc cctgtgacct gcacgtacac atncagatgg 60  
 ccgggtcctg ccttaactga tgacatttga ccacanaana anngaaaang gcctgttnt 120  
 gccntaacng atgacatggn anttgagaaa nncctttctgn ctggctcatc ctgggtcaaa 180  
 agctncccta ctgagcaccn tgggnnnncc actctgcccg ccnagaaca accccccttt 240  
 gactgnaatt ttctctttac ctaccccgaa tcctataaaa cggccccacc cctatcttcc 300  
 ctttgcttga ctctcttttt tggactcaag cccacactgc atccagngtg aaataaaca 360  
 ctttatt 367

<210> 196  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(507)  
 <223> n = A,T,C or G

```

<400> 196
gtcagctgag gagaggaaag gattcttagc ttgagttcac tccagttgcc taatgtcatg 60
cccattgctc aagcccatgt ggcctgtttg aaggagaact gcttatctgt gcagcaatct 120
atccgagggc ctttgggcca ttatgctgtg aatgtgacat ctgcagccaa gctctgcagt 180
cagagtctat gtaacaatca tggaagagta ttcgaaaaac acctgagtcc tccttctatc 240
tgcatatgcc tgaaagcagt ggtaagaaat atgttctaaa caagagtttc agattcatca 300
tttctgaaaa taataaacag aagacaataa cagacatgaa gaatggattt gtgtgtcact 360
gctattacgg ctggcatgga ccgtcttgtc acgatcactc ttcagatctc ctaagagtga 420
tgaataaggc tcctactatt aacttcaatt tattaanttt tctcattatg gcttcttctg 480
ngattctgct aaaaaaaatt tagccca 507

```

<210> 197

<211> 176

<212> DNA

<213> Homo sapiens

```

<400> 197
ggcccatccc ttggtttttag cctggaagac cagttttgac tttgaaccgg ttggcctaga 60
atttggtgct ttgtactaca aactagattc ccagctttgt ccagccctcc tggagttgac 120
tgctgcctga agaatttctc accatgtaaa cacaactctc ctaaagcagg cctttg 176

```

<210> 198

<211> 304

<212> DNA

<213> Homo sapiens

```

<400> 198
agacagggtc tcactatggt gccaggcca gtcttaaaat cctgcctcaa gcagtcctcc 60
tgccttggcc ttccaaaatg ctcggttat aggcaagagt gtcaggcata ctatatgcta 120
atccaacagg actgtggtct tataagaaga ggaagactct ctctccacca tgagaagaca 180
caatgagaag gctgccatct gcaagccaga aggagagccc tcgctgggag gtcagccatg 240
ctggcaccct gatctcagac ttccggcctc cagagttgga agaaaataaa cgtctgttgt 300
ttat 304

```

<210> 199

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (422)

<223> n = A,T,C or G

```

<400> 199
gcaccacctt acgaactgga cactccgtgg tgacctgaac ggaaagggtg ctgcccctct 60
gcagctcagg tcttggtaga gaagatctac cataaacagt gtagctacaa aatgctgaga 120
atcagagggg cccaccaaac tgactttaat atccaatgaa gggacagctg tgtcctggac 180
tctccacaaa tgttgacgtc atgaagaaca agaaagactg aaaacctgtt ccagattgaa 240
ggaaattaga gatgtgacaa ctgaatacac cttatgatct gggatgggat cctagaccca 300
aggacattag tgggtcnatg gcaaaatctg acagaaattc aaggactgct tctctcatta 360
aataagcttt tcaaggaaaa aagaatgtnc tnaaagntgg atgaagatgt catttggcca 420
tt 422

```

<210> 200

<211> 308

<212> DNA

<213> Homo sapiens

```

<400> 200
gttcgacaca acccgaccag cattccttcc tgataagaga ccctgacca tggagtggct 60
ctgactagcc tatggaggct gcacacagac agtcttcgca tccttggctt caccctctga 120
catatagggc ctactgtaat ccatttaaa gtttaagtct caccacagcg cgaacatgga 180

```

```

tgcattgctgc acacaattag ccaattatgc atgtctatgc ttcctctttg tgaatattca 240
tagctcctcc tataacctgt tgaatatgta catttggcca cgctgttcag cataaatccc 300
tgtcttcc 308

```

```

<210> 201
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

```

```

<400> 201
actgagaata aaggcaactg ctgggtgtga tagctcgtgc ctgtagtttg ggaggccaaa 60
gcaagcagat cacttgagcc ccggagttgg agaccagcct ggataacatc gcaaatctt 120
gtctctacaa aacagacaaa aatgaggatc gcttgagccc aggaggttga ggctgcagt 180
agccacgttt gagccactac actccagcct ggataactga gcaagaccct gtctcaaac 240
aaaacaaaac aaaataaaca aacaaaaaaaa aaaagggccn gngnggccan ttaanttgn 300
antnanccag gnnnaattng ttnaaanggg ggggaacnccn aatntnttt tttttttatt 360
c 361

```

```

<210> 202
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(333)
<223> n = A,T,C or G

```

```

<400> 202
gccaagaaag gttaaaggcct cttgggcctg tgatcaaaga gtcaacactt aaggtttttg 60
cgatgctggg aatgatgaaa taaggcaaca ctggggcaaa cactgttatg gccaatgacc 120
tatgcatcca angcagcttc ttcagcttca agttgggaca gtcgagcacc aagaagagga 180
tctacatcag cgtcttggtg ctggtggtga caaagcagca atctgcctga ggctctgcaa 240
gcctacaaca ttcttttttaa catccccaag ctggaaacac gtaaaatgtc cataagccac 300
agaaaaaata aataaagtat ggcattttct tac 333

```

```

<210> 203
<211> 128
<212> DNA
<213> Homo sapiens

```

```

<400> 203
gcggtaaaaac acagaccatg aggttgaggt gccactggcg gcggaggaag cggcgacctg 60
cactgggaga gattcattac ttcggtttta cctccggaaa aagctggagt caagttatgc 120
ttatttac 128

```

```

<210> 204
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

```

```

<400> 204
tccctctgag agaagccagt tgccaagttg tgagctgctc tatggagagg cccacgtggc 60

```

gaagaactaa	tgtcttctgc	aacagccaac	aagggcctta	ggcctgccaa	cagccatattg	120
actgagcttg	gaagtgaatc	ttctgagccg	gccaacagcc	cgtgatcaaa	gccatcaagc	180
tacaaatgat	cttacaaatg	gaacctcaaa	tgagctcagc	tcacggcttc	taccgaggac	240
ccctggatca	acccgctggg	ccctcaatta	ccctagaaaa	ttcccctctg	gaggacacca	300
aactgcaggg	ccccttcttc	accctaacc	agcaggaagt	agccagaacg	actgncacac	360
ggntcccaac	aacaattggg	gnggtctggt	taaaagccag	aattgaaagg	aggngccant	420
tggcttcctg	ggtcaagtag	gggctcaaaa	agctgngaaa	ctcactcatt	tcctg	475

<210> 205  
 <211> 356  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(356)  
 <223> n = A,T,C or G

<400> 205						
tgctgacttc	ccacatcana	agcagaatga	tcttcancct	aagacacagg	caaagagagc	60
atctaactgc	ttaaaatgag	agcaggaatg	gctgttggtg	tagatagatg	gcaccccaga	120
gtcctgaaag	aacttgacga	tgtgatcaca	ggaccatctg	aaccggagaa	accgggggga	180
atggagagac	agcaaaaagac	cggagatggg	taaatgagtt	ccagattttc	caacacaaca	240
ggaaaggtga	cttacgggtc	tgtgtgctgg	ttacatttaa	tggtgagctt	cagcaaaact	300
ccggaacaga	tgattgaagg	ggctttgtgc	cgtattttatt	taaagaaaag	taatga	356

<210> 206  
 <211> 344  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(344)  
 <223> n = A,T,C or G

<400> 206						
gacctgatga	ttgatttagc	atctttggca	tccggccctg	ctctgcttgg	ccatactgct	60
gccttcaccc	tcagctgttg	caactctttt	ggccactttg	tgtaactgcc	ctgccaaagg	120
ctgcttcctg	gctgttcaaa	gaaagaagtg	tttcctacag	gagatcacaa	caaaaggatg	180
aaatctgggg	tgcaggggaa	gggtagcttc	tgaagctgga	aaataaagaa	gtaaggaagg	240
gagactgtgg	aattttaccag	ggagggaaac	taatatttcc	ttttcatatt	aagttgntac	300
tattctggct	ttttaccatg	atcatatatt	atattcaaaa	taaa		344

<210> 207  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 207						
agacaaggcc	ctgctctccc	atccaggctg	gaatgcagtg	gtgggtgatca	tagctcactg	60
cagccatgaa	ttcctgggct	caagtgatca	tccttcctca	tcctccagtg	tagctgggac	120
tataggcaca	tgccagcatg	cccagcta	tgaagaaaaa	cattttcaga	tgaaattggt	180
gtacatatat	cttcaagtgt	gttagaaata	tacatcttgt	gtattaaatt	tatttgctca	240
g						241

<210> 208  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature



<222> (1)...(457)  
<223> n = A,T,C or G

<400> 208  
aatcttgcta ctctccatca caaggcaaag tctatcttcc tttcttttga atctgggaag 60  
acacttgatga ctgcctcaat gaataggaag aatacagtggt aagtgatgct gcgtgggtgc 120  
taagaacagg ctggaaaagg ccatgcagcc tctgttcgtc tccctcttgg aacacttgct 180  
tttggaaccc tgagttgcca agtaggacat ccagggctgc cgtgctgtgg ggaagcccaa 240  
aactagccca cacagagaga ccacatgaaa aaacactgac attgcatgaa gagagggtga 300  
tgtgctccag ctgcctaagg ctatcatctc tgctgttcc agctccagaa aacctgaagg 360  
ccacagcatn agaccccttg nnttaaacca ttttacttga cctgttntga actttngacc 420  
aattnnttat ttttgaccaa taaaaaataa ttttatt 457

<210> 209  
<211> 482  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(482)  
<223> n = A,T,C or G

<400> 209  
atggtgtcag aagtgggatc tgaagtagag gttgtaacga tccccaggag tgctgagtga 60  
acaagcaagt tacctgcaga atccactgtg tcctttgatc tgtcacagca gctgggggtc 120  
ctgactttcc ctcttgttgc ccaggctgga gtgcaatggc acaatctcgg ctaccgcaa 180  
cctccgctc ccgggttcan gcaattctcc tgctcagcc tcccgagtag ctgggattac 240  
agacatgtgc caccatgccc agctaatttt gtatttttag tagagacagg gtttctccat 300  
gttgatcagg ctgggtctga actcctgacc tcacatgatc catccgctc ancctnccaa 360  
agtggnggga cacaaanccn ctngaccnng gctatnttgc tggaaattta ntaanngtg 420  
gnngaaccat tccaatcttg gaaagctgca aagacaacat gttaatgatc aacacctggc 480  
cc 482

<210> 210  
<211> 349  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(349)  
<223> n = A,T,C or G

<400> 210  
gtgggaaaac tggggcatca gagaggccaa gcggttggc caaggtcaca cagcggatgt 60  
tcgagtggaa atggaatgca agcattcaga ctccagaact tgcactgtct tcagaaatgg 120  
cctcaagtta gtgggttgcct caggggtgaa gagcaaagca aagttcaggg cctcatccca 180  
gggtgtgtca cttggcatga gggacgagga cccccatttc ctctcagctg aggggaagag 240  
ctctccacaa tgtccccctg cacggctctc tggtaccct gacaacaagg gccagctctc 300  
cctactctcc ctggagttaa gctgggtcga ngaggtgcta cccgtttcg 349

<210> 211  
<211> 350  
<212> DNA  
<213> Homo sapiens

<400> 211  
atctgtccca tgatgaatct gggttgtccc tgtgtgagcc ccttgaacca acagattgtg 60  
gcagagtgaac attgcaccag tctgagacct acaccttaag gatgcctggc agctcctgct 120  
tttgtgttcc tcggagtcac gagccacgaa gtcaagctac cctgctggag agaccagctg 180  
aagaagcctc ttgaagagga cctgagactt aaggctcagc catcccagac tgtgagttaa 240  
acctccagat gagtccaacc ccacctgcta tctgactaca gctacataga cgacaaacca 300

cctaagtgat tccagtcaac ccacacaact gtaaaagata ataaaagttg 350

<210> 212  
<211> 478  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (1)...(478)  
<223> n = A,T,C or G

<400> 212  
aagacaaaag caaatcagtt ttggcaagaa atgcactcag cggccctgac tgggagagtg 60  
actggattga tacaaccatc agttctatct agattatgga aatccagcaa ataatagatc 120  
atcagtattg cattcaaagc ctccagtgcg gatctggaaa ttataattac aatattcctg 180  
ttaataaaca cacacccacc aatgtcaagt tctctctgga aataaacaca acagagccat 240  
tgatagtctt ccagtgc aaa ttcacccttg gaaatatatg tttccatagt aaaaggggaa 300  
ccaaagggat ggaaagccac agagaaatct cccaggagat gacacaggga tatcaagcac 360  
atctggagcc tcctggaccc catttttttna acagatngtt ccattttccgg gaagctgccc 420  
ggatttagct gctgtcaact gatccttatt ttgctgggat attcttcacc gattactt 478

<210> 213  
<211> 472  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (1)...(472)  
<223> n = A,T,C or G

<400> 213  
agatgtggtc tcactatggt gtctagactg gcctcaaact gctgggctcc tgcgatccac 60  
ctaccttggc cttccaaagt gctgggatta caggcgtgag ccaccatgcc cagccgcttc 120  
atctttcttt actcatggtg gccccattat tgctgtgaag cctttttcta atgttcattc 180  
tctccctctg caaagtgggc aacagtgaag aaactacatg attttcaggg aatataagca 240  
tggaagatgg actaaagaac acagcaggcc ggggtgcagt gctcacacct acgatcccag 300  
cacttttgaa ggccaagnta ggaggatcgc ttgaggctan gantcnaaac cngcctnggt 360  
caacataaaa aagaanccng cttttcnaaa nnaaaaaatt ttaaaantta ggcccaattt 420  
ggggggcatn cntnntngng gntcccagct gnatggcgng agggatcact tg 472

<210> 214  
<211> 147  
<212> DNA  
<213> Homo sapiens

<400> 214  
gcggggacat ggaggccac ggagtacctg gcaggccac agtccacagg ttggaaagag 60  
gtgcccagc cctgggcttt aagcctgggc tctgaccttc aacgtttgct tttcacacca 120  
cacatcatgt caataaatag ttactgg 147

<210> 215  
<211> 338  
<212> DNA  
<213> Homo sapiens

<400> 215  
tcaacttgct gaaagggaca acattctgga ccacgcagt aaccttg gcc accatgctga 60  
ctctcctgga tgggctgcca tcagggatca taggtctcat gagcagactg tcaccggatg 120  
acggactgaa ccccaacagg tggtcttgct gcattctatgc accgccagaa cccccacacc 180  
tcccattctt caaatggacg tacagctttc tccttaagtc aataaacttg aaaaagttgc 240  
tttataccgc ttgagtaagt ggtcagcctc ataaggagga gacaactgtg aagataaata 300

tcatgaaaac aaaacgagat taaattataa ctagacat

338

<210> 216

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(363)

<223> n = A,T,C or G

<400> 216

```
gggcattnac ataagccatc atntnccntg ngacctgcac gtacncatnc agatggccgg 60
ntnctgcctt aactgatgac atttcaccac aaaanaagtg aaaatggcct gtncctgcct 120
taactgatga catggacttg ngaaattcct tctcctggnt catcctggct caaaagctcc 180
cctactgaac accctgtgac cccactctg cccgccagaa gaacaacccc cctttgactg 240
tnattttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcaac ccacctgcat ccagntgaaa taaacagctt tattgctcac 360
acc
```

<210> 217

<211> 236

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(236)

<223> n = A,T,C or G

<400> 217

```
atctagaagc aataaaatgg gcttaaggaa cacggaataa agggagcaac cctgtgaaga 60
ccacaaaggg agaacagtga cagcagctca gcagcaagac tgctgggcac cgggcctggc 120
tctccaccac ctgactgggt aacttttcaa acaccttcat ttccaagaa gtaggaatgn 180
tggggaagact aaataaacat atgtcaagta cttaattacc tgcccacata gtaaag 236
```

<210> 218

<211> 377

<212> DNA

<213> Homo sapiens

<400> 218

```
gtactcacia gctacaatgt aaatcagtaa agaaagagat aactatacca gaatatggag 60
cctattgata ggactcacia gattcaaggt gccttgtcca aacagatgtt cattgctctt 120
tgacacacct taaataagag ttctgtagtt aaacaacttt ggaaaaagag gtgtactctc 180
accctcccc atcataatga acatcagcat gaaggctcta agaagacca cagcaaagaa 240
gccggttcag ttatttttaa tctgactctt caciaactta ttttacacca ggtaactttc 300
aaatcttcac agaactaatg ttttgtgaaa tttactttga aaaacatcgt gctagaaata 360
acattatatt gctatcc
```

<210> 219

<211> 356

<212> DNA

<213> Homo sapiens

<400> 219

```
gggcattcag ataaagccat catatcacct gtgacctgca cgtacacatc cagatggccg 60
gttctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tgttctgcct 120
ttaactgatg acatggctct gtgaaattcc ttctcctggc tcatcctggc tcaaaagctc 180
ccctactgag caccctgtga cccctactct gcccgccaga gaacaacccc cctttgactg 240
taattttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tatttg 356
```

<210> 220  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (436)  
 <223> n = A,T,C or G

```
<400> 220
gggcattcag ataaagccat catatcccct gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tggtcctgcc 120
ttaactgatg acatggtctt gtgaaattcc ttctcctggc tcatcctggc tcaaaagctc 180
ccctactgag caccctgtga cccccactct gcccgcgaga gaacaacccc cctttgactg 240
taattttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tattgcttca 360
cacaaaaaaa aaaaggccag ggaggccant tcanctngga cttaaccagg ctgancttgn 420
tcaaaagggg gggacc                                     436
```

<210> 221  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (441)  
 <223> n = A,T,C or G

```
<400> 221
acctgccttt catcttcagc catgactgtg aggcctcccc agtcatgtgg aactacggac 60
tcttgctcta tcaccaggct ggagcacagt gacgcaatct cggctcactg caacttcgc 120
ctcctgggtt caagcaattc tcctgcctca gcctcctgag tagctgggat tacagagtca 180
taagaagaaa cggtgatgcc tgacaacttg gtaaaacctg agacatgaac attgagtctt 240
ggactcggat tgtctggctc tcaggacagg atactccaga attcactctg aggcctccac 300
tgggcagtca ttggtctgct aagaacatca caccgnggga taaacttcct ggaagtcata 360
atttaaactt ttgagttttc cttttacccc agcaaggggc tttatgttgg ctcacaaagc 420
aatgtaatga caatcttgct t                                     441
```

<210> 222  
 <211> 443  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (443)  
 <223> n = A,T,C or G

```
<400> 222
gtgaagttct gaggccaaga aagggtagct gattttctcca ctggtgacag aatttcgctc 60
ttgttgccca ggctggagtg caatgacgag atcttggtc actgcaacct ccacctcca 120
ggtttaagtg attctcctgc ctcagcctcc caagtagctg ggattacagg tggagtcttg 180
ctctgtcacc caggctggag tgcagnggag cgtgatcttg gctcactgca agctccgcct 240
cctggttcac gccattctcc tgccctcagcc tgcggagtga ctggaactac aggaagaaaa 300
atggncttan aangggaaaa ccanttgcan ccaagatcca aattaatacc aagggnagccg 360
gggagaanaa agaaccntgg tggaagaaga gtgaaaaagc nttgtctttt gggggtgaat 420
tgcagaaaga aaataaatta ttg                                     443
```

<210> 223  
 <211> 436  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(436)

<223> n = A,T,C or G

<400> 223

```
gggcattcag ataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60
ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
taactgatga catggtcctt ngaaantcct tntcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttcctt tacctaccgg aatcctataa aacggcccca cccctatctc cttttgctga 300
ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagttta ntggctacnc 360
attaanaaaa aaaaggcccn ggggggcct tccggtnnga attaaccgg gtnantttng 420
ttaaaagggg gggcca 436
```

<210> 224

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(457)

<223> n = A,T,C or G

<400> 224

```
ctatgaagag cagcccgtg tgggagacac tgatggccct cgctgactct agagtggagt 60
gaattgctac cttgctgacc aggaaatgat cgatgcctgg cacctggcag tgaatggggc 120
gtcctgcgat gatccgaaca cgctgttct cagaaatttg cagcacaatg ttgttatcca 180
agacatacaa tgaattgtcc ataggattta ctgcaaggct tgttggccac tctaactcga 240
cctgtgaaac gaacagaaca cataccatta gggtaccatg tctttccatg gacagtttta 300
acttgaaaaa aagaaaaaaa aattggtgta ttgnttcccc cgtcttatga attttaanca 360
ccattgggtg atgtctcgga aagtggaggg cagggggagg atggttaatc acatgttctg 420
gtaaacgtac ttatcattta tgccatttac aatataa 457
```

<210> 225

<211> 105

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(105)

<223> n = A,T,C or G

<400> 225

```
cagaactgag gacncagtgn ncatgtaact aactcctggn taagaggata tgggtagaan 60
gcacangng cnacttcng gcttctgctc cttgaaacac agtaa 105
```

<210> 226

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(427)

<223> n = A,T,C or G

<400> 226

```
gggcattcag ataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60
```

```

ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
taactgatga catggtcctt tgaaattcct tctcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttcctt tacctaccg aatcctataa aacggcccca cccctatctc ctttgctga 300
ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagcttt tattggctca 360
cacaaaaaaa aaaggccagc gaggccaatt cagctnggac ttaaccaggc tgaacttgct 420
caaaagg 427

```

<210> 227

<211> 315

<212> DNA

<213> Homo sapiens

<400> 227

```

gagacctgag ccactaagta agaagtccag ttaccctgtt ggataaacca catggagaag 60
gaaaggccct gagatacttg gagagagggg aaagtccagc tgcccagcac ctgagctgag 120
cccagcctca gccaacccca ccggctgact gcaaacacat cagtgaccac cagtaagacc 180
agcagagctg cacagccaag cccagcctag attgcagaat tgtgagcaaa taaaatggat 240
attgctttta gccacaaaat attgaaatgt tttttaaatg tagaatgtga tttctaagaa 300
taaaaagttg caaat 315

```

<210> 228

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(415)

<223> n = A,T,C or G

<400> 228

```

aaccaaacca acaccggaga agctgagcaa atgcagtcag ttggatgtga attacctttt 60
agttgctgac aacagaaaagt taccctgaac cactgacca gggatgaaaa gcgtccgtgt 120
actattagta attctcagaa tcattctctg cccaaccaa gtatggaaag ccaagtacag 180
tatcatggaa ccaaattcaa atgctggtct caaagttccc gacttgcttg ctttcaagt 240
ccacttgaga gatttttaaat gacagtgaat tgctttgttc aactaaaaat tcaaagtgtc 300
gggacaangt ttatttctga gactcaagag atagtttttg ctttagttgn tgccattggn 360
gntgntgggg nggggggaaaa aangncagaa aataaaatct gccacttttc ttttc 415

```

<210> 229

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(350)

<223> n = A,T,C or G

<400> 229

```

aattgtgaca ggctcccagg acctaaaccc agaaggaagc aggaccatat tgctgcctag 60
agaaggggat ggagcagatt ccaggacacc gatgaaacag aagcttccat cacagtgtt 120
tctgctacct tatgagacag ttcgcatctc aacagctcta ggatacaaa gaagcacata 180
catttatact ttataagggt gccaaaggaat cctactgtga acaaagaatt tctaagataa 240
taaaatccca cttttttttt ctataaaaag caaaaaaaa aaggccagcg nggccaattc 300
agntnggact taaccaggct gaanttgntn aaaagggggg gactacccaa 350

```

<210> 230

<211> 91

<212> DNA

<213> Homo sapiens

```

<400> 230
tgacacgaaa atctggttct cttgcactaa tatgtgaact tatggacatg aatatttatg 60
agctaatacg agggagaaga taccattat c 91

<210> 231
<211> 285
<212> DNA
<213> Homo sapiens

<400> 231
ataaggaaaag cgaagcacag agaagtatct gcccaaggtc acaaaccagt ggagcaggat 60
ttgacccaaa gcagacagtc ggacttcaca gcccgtgctc tcaacatcca actgctgaag 120
agttaacaat ttacccttga cagccgctat aagcaaagggt aaatgctcaa ctgctaggaa 180
gggacagtca gaacaccgtc ccatatccag tatccatgtc tctctgtttg tttatggcct 240
ctatgacttt ggcaaaagaa gtacacacaa tctgattttc cgaac 285

<210> 232
<211> 71
<212> DNA
<213> Homo sapiens

<400> 232
atggtggagg attgctcaag cccaggaatt tgagaccagc ctaggcaaca tagcaagacc 60
tcattctctac g 71

<210> 233
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (155)
<223> n = A,T,C or G

<400> 233
ntataatggc tanagctgga aacacatcat gtatncagan ggaaaagggc aagaagattg 60
caggatccac agacctgga ttcccaaaca gctgaaccag tntcagtaca cctctggatt 120
tcccattact tgagataaat aaactctttc ttttt 155

<210> 234
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (428)
<223> n = A,T,C or G

<400> 234
gtatcgatcg caagagtgcc cccaatcaac tttctgcaag caaatctctg tttcatggag 60
aacctggcct gcaacatgac acctctcacc acatcttacg tcagcagttc ctaaagtgtg 120
gctgtggact tgctacagca gatatgtttg gagaaaaaaa ttcataatttc tcatgttcac 180
cccacacctt caaaaccata atctccatga atgggtccca aggatgtgta ttttttcaaa 240
gctcctcctc cactgctgaa tctagtgtat agcttgatgt agaaaccact gctataccaa 300
aggctcagcc tcaaatacgc ctacagcttc tatcttgctc catcttcgtt tcagccacca 360
atagagnggn gaagccatta aaaagggtcaa aagtaggtaa ataaaatgtg aaccagtata 420
taaaagtt 428

<210> 235
<211> 355
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (355)

<223> n = A,T,C or G

<400> 235

```
gggcattcag nataagccat catatnccct gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggnc tgttcctgcc 120
ttaactgatg acatgggtctt gtgaaattcc ttctcctggc tcatcctggc tcaaaagctc 180
ccctactgag caccctgtga cccccactct gcccgccaga gaacaacccc cctttgactg 240
taattttcct ttacctacc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tattg 355
```

<210> 236

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (381)

<223> n = A,T,C or G

<400> 236

```
gtaacaactt ttaaacattc acgtgacgga ccaccttccc tcagccaaac aacttccttg 60
aaaggcgccc gaaggagcct tcccatccac cgcggtgccc caggaaaggc ctgtggggct 120
ctcctccccg cgctccacac gccctcgcat cccaccgagg cgccagcttc tgcctgcacg 180
ttgttgaaac tggcctggag gttctgacaa gaattagagc ggcgggccgtt gccccgggga 240
tgacctggaa gcgaaagaga ccggcacgaa ttctagagtt tcgggggtttc cgcggggttg 300
gattgtacgg gaaacaatgc attaaacaaa cctaaaaatc aaacaaacac cgtctggnag 360
aaccttacca ttaaaaagct t 381
```

<210> 237

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (449)

<223> n = A,T,C or G

<400> 237

```
ctcangatcc atccatcctg cctgtgctcc ctggttcggt ttccctccag cactgccaa 60
atgccaggac acaagtcacc acctccccta tgcttagcct tgtcatcctc catgtcattg 120
aggccttcac gactcccact ctggaaccaa gcaatcaagg cctctgaatt gcactgttg 180
actgaccgtt cacctcctta ctgtctgcct tatgcagagt gcaagctctg tgaaggcaga 240
tgccctgcct gagtgggttt cagctgcccc cagagcacct agaagaggcc cagcaaatag 300
aaggcactcc atgattatct gataaaagaa tgaatataac ccaacacttt atggctcccc 360
ataactggat gccccctcc ccatggtcag atccttttta tatttggtgg acatgacaga 420
aatnaatctt ccaataaat gaattctta 449
```

<210> 238

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (366)

<223> n = A,T,C or G



<400> 238  
gctaaccctag gatcagcaca atcagccagc agcaccatca tctcaggctg tagcagcacc 60  
aagcccttcc agaaaagccc ggacttttcca gaagcatcct cagcaagtgt cacaaggaag 120  
gaagccagag gctgcccata gcataacctga agagagtcaa cctagtctcc ttaaactatt 180  
cttctgctcc acccctgaaa gaagcaatga ttaaactttg aagccctgta tatcttaata 240  
ccttggaac atttgctatg tatatctca ttaaataaaa acattgcaac ggcaaaaaaa 300  
aaaagggccg ggggggnccat tnannttggn nttnaccngg gngnanttng ttaaagggg 360  
ggggcc 366

<210> 239

<211> 370

<212> DNA

<213> Homo sapiens

<400> 239  
cagccctaac agactaagac gaataactaac tgagaaccca ccagacttgg agaaataaac 60  
cccttttgac tgagccaact gaggtgctc ttgaaatcaa aatctatcat aaagtaagag 120  
tgaagctgca gcgtgggtct acctaaaact caattcaaga aattcaagag aagagaacgc 180  
tcagctagag tgaaccagga gactgcaaca atcttggttca tttgggtatt cacttattta 240  
atgtctgtat tttgtagatc tagattaatg tgaatttcct tagaacttgc atcttggttg 300  
gtttactcag tgctatatcc ccaatgtctg acatagtacc tggttctcaa taaatacttt 360  
gaaacaattg 370

<210> 240

<211> 305

<212> DNA

<213> Homo sapiens

<400> 240  
gcctgaaaca caagcacaac aactgaagc taccatggat ccccttggcc cagcagctgt 60  
tacaccctaa atgatattct cttctagcac ttccttacct tgtggtctta atctgaaggc 120  
atctggactc ttcttcttat tggtagaagg atcacatat ggtgcataaa acctatttta 180  
tgtaacagcc cagtggacct gaagcaacac ttcataagcca agtacattca tagttcttca 240  
acaaaatgta taaattttcac cccttggtgt aataaataaa gacaataaat aaatagcctc 300  
ccatt 305

<210> 241

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(448)

<223> n = A,T,C or G

<400> 241  
agctgctctt acatctaatt agaaaaaagg ttctcactgc atccttggtg tctctcagat 60  
gtttcttcag atgttcagag cctgggagca gtaagtgtt aaaaaatggt gtttaaggg 120  
ctcactccaa caccagggt ggagtgcagt ggtggtgtga ttatggctca ctactgcctt 180  
gacttcccag gatcagatac gggctttcac tgtgttacct aggctgggtc tgactcctgg 240  
acttaaaact atccaccagc ctacgcctcc caaggtgctg ggattacagg tgtgagctac 300  
cactagtggc ctcttctaag aggaaatttg gatatacaga gagacaccag agatgtgggg 360  
gcacagagga aagacctgct tggatacagt aagaaaggca gcctctgcna acntaagaca 420  
aagtcctaag aaaaacccaa ctgctcca 448

<210> 242

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(511)  
<223> n = A,T,C or G

<400> 242  
ttttttatatt tcttatttnc tttttatattt ttntntnggg gatnntgnaa cntnnanttn 60  
ggactactgc ttaagtcana actgaggggc attcanataa gccatcatat cccctgtgac 120  
ctgcacgtnc acatccagat ggccggttcc tgccttaact gatgacattt caccacatna 180  
agaagtgaaa atggcctgtt cctgccttaa ctgatgacaa tggnccttggt aaattccttc 240  
tcctggctna tcctggctca aaagctcccc tacttgagca ccctgtgacc cccactctgc 300  
ccgncagaag aacaaccccc cttttgactg gaattttnc ttntacctan cccaaattct 360  
tanaaaacgg gnccaccccc taatnttccc ttgacctgga cttctctttt ttgggactna 420  
ggccacacctt ggcattncaa nggtggaaat aaaancannc ttttttttgg ctctcncca 480  
naancaaaaa atanaaataa tatagctctg a 511

<210> 243  
<211> 425  
<212> DNA  
<213> Homo sapiens

<400> 243  
ggtctcactt catcacctag actggagtag agtagcacag ttgcagcttc ctacatcttg 60  
acttcctggg ctccagtgat cctccccctt cagcctctca gcagagagag aaagaaagca 120  
gagctctttg aagcagagaa agaaagcaga aagcagagat ctttgaaggc ttaagaaacc 180  
ataaggagtt ttggagagtc aatgcatgat gatctctgaa gattctactg aaatctaate 240  
aatatgtcct cactgccatc aattcaaaag aacttgctaa gaaggctcta gaggcttgta 300  
ctctcagata gtgaaagtga gatgatgtgt agtgaaagtc atatataagg tgtaaattgc 360  
aatatggaat tcccaaatgc tgaattcatt ttatctcttc ggaaataaaa acctggtaaa 420  
gactc 425

<210> 244  
<211> 208  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(208)  
<223> n = A,T,C or G

<400> 244  
gagaaatttg gacacagaca cangacatgg gggaatgcc a tctacaagcc aagaaacacc 60  
taagactgcc agaagctgag agagagaact ggaacagatt ctccctcatg ggcctcagga 120  
aggctcctccc tcaggccctc ttgccggcac tttgaattca aacctgtcgc cttcagaact 180  
gggagacaat aaatgtcttg ttttaagcc 208

<210> 245  
<211> 256  
<212> DNA  
<213> Homo sapiens

<400> 245  
tttgagacaa ccttttcgggg tctgctcatc ctccatggcg agtcatcttg caatgtgatc 60  
tggtgcatca gacctccgtc tgggatcatc tttttcctgc ctgaagttcc agctttggaa 120  
tctccctccg gaggtcttac cagtggcaaa ctcttaagtt tttgtatttg taagtgtat 180  
gatttcacct acgttctgga tacatgtgccc tcatactggg tacataattc ttgaaatata 240  
ttttcactga atatata 256

<210> 246  
<211> 438  
<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1)...(438)  
 <223> n = A,T,C or G

<400> 246  
 aacgctgagc tgctcttctc tttgaattcc aaagagacat ctaaaggaag ccctcagctc 60  
 tgaagaccac ctagctggaa tctcagaggg agagctgggg acaggaaagg atgactactc 120  
 ccaccattct gtggacaccg agtccagcct ccgggaggac gctgagggaa ccttttgggg 180  
 cagccagggc agagaacgcc ttttacttct taaggctctg gatcaaaaca gagaagcttc 240  
 tgtttcggag cctggcaatc ctcgaacatc agtgtgcatt ttaagccata aagcgcaata 300  
 ctgattacaa acaggaatac nggagggcct cctttaaact gcttcagaaa acaaactcct 360  
 cggggacttc gaaaggagct ctcaccatag ctcttgcaat ccactctgaa caggaaacct 420  
 tctcatctat ttattaaa 438

<210> 247  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<400> 247  
 atcacatggt ctattttcca aagaatttgc aatccacaaa agaaacagcc caggaagcat 60  
 gcggtggatg tgctaagtaa ctccacctcc ctggcgctga ggccagaaag cagacacttc 120  
 ctgcagctgc agttacacaa cgatgttctg tggatttttc gggcaatagt taatgattta 180  
 agacaataaa atcctgtgcc ctctgaatc cgtgggcaact tccctttgca ccacaaatgt 240  
 tggcctctgt ctctactgca gccacggtgg aaacagagag caggaaaaag agcttggaag 300  
 aggaaccctg aagaaggggt ggacaccacg catcccagac ttctacacgg ctagaaacac 360  
 ccctgactaa tattattact aaagtgtata catggtggca ggccctgttc taggctcttt 420  
 acaa 424

<210> 248  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 248  
 gtaaagccat tgaagcacat tgagacaaga gggaccccag agggaaactca ttcaccttct 60  
 ttccaacggg tgcgggtaca gaagtctgca gcctgcacac ggaagaggac cctcaccaga 120  
 gcctgacctt gctggcaccg tgatcttgga cttctggcct ccagaacatt gagtaataca 180  
 tttttgttgt gtat 194

<210> 249  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 249  
 caattgcttg ttcagagctc ttggggatca attggaggga cactcacgaa atcatctcaa 60  
 gcacagacag gagacagtgg actacatgat aaagcagcgg gaagattttg aaccctttgt 120  
 agaagatgac attccttttg agaagcatga ttcgtggtac agagaaaagc agcgtgaggg 180  
 agttacacat cgcataatcg tatggagagc actacgacgg tggtcggagg atcaatgaca 240  
 actcaagagg cacctgcaca tctccagacg gattttcaga tgcttcatca agatgaagtc 300

<210> 250  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(471)  
 <223> n = A,T,C or G

```

<400> 250
agtctcacgg ttgcccaggc tggagtgtaa tggcacgac atcgctcact gtagcctcga 60
cctccatggg ctcaggagat cctccacact caccctcctg ggtagttggg actagaggtt 120
gcatttcttt tttctggaag cacatctttt aaaagatatt tacatgaagg tctaccagac 180
atgaaattgg agttctagaa agggagaaga tgaggatggg gaagaaacaa tatttcaaga 240
agaaatctct caagaatttg ccaagtctga cccaaaacat caagcagttg atttaagaag 300
tgtataagcc caagctgggt aaatacaatg aaaaccacac tttggcacac cagagtcaaa 360
ctgaggggaaa tcaaaacccat tattaacact tggaaatccc ctttncnttn aagcacctnc 420
attaagataa atagctaatt tcctaaaaca aattatggga agccagaacc a 471

```

```

<210> 251
<211> 614
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

```

```

<400> 251
ttcttggggg gaggcttacn cttggcattt atagcttnag gcaannttgg aggaggggaa 60
ggacccctt nccccaaagg gggaaccaag gccggaagga ccccccaaag gttccgggat 120
tgccaccct tggccaaagg anaggggttt ttantttggg gggtaacaac ccgggggtac 180
cccccggggc cggaatttc aaantctaaa attccgggaa ggggaacttg gccgcncccc 240
ccanattgga angggggggg tttgtggggg cctctttttt attttgaagc cttccggggg 300
ggaagccaan aaaaaccgcc gccgaaacca agaaacctaa gaaaaccgaa acttggattt 360
gctcccctta gcaaaccgcg attcattcng gtgcccagg ggaccaccgc catttcatnc 420
aagatgaaac cgtgggcccn aaggtttgac aaaggggtcc acaaggcagg gtttanatgg 480
gccccgttta aaaacttatg cttntntttg cggggggccc attctntaag gaatgggggn 540
ggggtcaana atgaattccn tttntttccn aattggggcc naaggnccga tggggcattc 600
ttttttaaaa aaaa 614

```

```

<210> 252
<211> 546
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(546)
<223> n = A,T,C or G

```

```

<400> 252
ttacatccag agcattccag ttgttaatga agaacacaga ggtgattttt cctatattgg 60
aaatttgatg acaaaagaat tcataggtcg acaattgatt ctaattatta agtcttttga 120
taccagtga gaaggaggaa gaaaaaaact gctggctgtt ttacaggaga ttcttatttt 180
accacaatc ccaatatccc tggtttcttt tcttgttgaa agactactcc acatcattat 240
agatgataat aagagaacac aaattgttac agaaattatc tcagagattc gggcgcccat 300
tgttactgtt ggtgttaata acgatccagc tgatgtaagg aagaaagaac tcaagatggc 360
tgaaataaaa gttaagctta tcgaagccaa agaagctttg gaaaattgca ttaccttaca 420
ggattttta cgggcatcag aattaaaaga agaaataaaa gcattagaag atgccagaat 480
aaaccttttg aaagagacag agcaacttgg aantaaagaa gtccacatag aagaagaatg 540
atgctg 546

```

```

<210> 253
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(474)

```

<223> n = A,T,C or G

<400> 253

```
agcaatatac tgaaatccaa gattgagaac agcaattctg agagcaaggc agtcatctga 60
gtccaccgcc ttccagctgg cccaccttat gaaagaagca aaccctgagg gcgtggagga 120
gagaagaaac tgctgtcagc tttcccatca cacaacttct caggcagtgc tggcgctctc 180
ccctgctcac ttaggacaaa ccaacacttt tggaaatctga ctgtcaagga gagtcacatg 240
gcaccgcgtt taacctcaga tcccaagcct ccaaattgggg tgtggtttct ccaaagggct 300
catgagactg atgtgtgagg acatgaggat gacatccggt tgggtgtggcc actagaggaa 360
atgccntttt accnaggaca ggaagnaggg gggcccaatt ttcntttcca acattttcaa 420
caacaaggng tatgtccgac ccccgattca actttcacaa acctgcactt aatc 474
```

<210> 254

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(496)

<223> n = A,T,C or G

<400> 254

```
gtattacacg anccccaac cagaacgtct atgtggttca ggcntgccgc aatggaaaaa 60
actttgactt ctaattaaac acctgaaacc aatgaatcct cctcttgga ccaataagac 120
tgggacatca tcagaacctg aatgacaaac ttttggaagc cagggtctca cgctgtcacc 180
caggttggaa tgcagtggcg cgatctcagc tcattgctac ctctgccttc tgggctcaag 240
tgatcctccc accacagcct gctgagtagc tggactacag agttgcctgc atttcagcag 300
tggatttaag caacctctat gtaaaatatt gcagcatgct gagcttaaga tatttcttgn 360
ttcctgcttt aatctaaagc tttgnaccaa tgatgantaa ctnggaaaaa gaaggccttt 420
tccaagggac atcgctcact gncctgatgc ccngncagtg nacacttacc gactcagntt 480
tccaaagatc ctcaat 496
```

<210> 255

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(377)

<223> n = A,T,C or G

<400> 255

```
ttcgtgtttg gttaaagaga gacagtggac agtattggcc aagcgtatac catgcaatgc 60
cttctccatg ttcatgcatg tcttttaacc cggaacaag aagactgtcc ataggcttag 120
acaatggnac aatctcagag tttatattgt cagaagatta taacaagatg actcctgtga 180
aaaactatca agcgcacatc agcagagtga cgatgatcct gtttgctcctg gagctggagt 240
gggtgctgag cacaggacag gacaagcnat ttgcctggca ctgctctgag agtgggcagc 300
gcctgggagg ttatcggacc agangctgtg gcctcaggcc tgcaatttga tgttgaaacc 360
cggcatgtgt ttatcgg 377
```

<210> 256

<211> 245

<212> DNA

<213> Homo sapiens

<400> 256

```
ctccagcaac aactgtttct tgtgactttc tgtgggactc tgaggaatgt tgggatgata 60
atcacaggaa ccaatggctg cctctggaaa gcccataatt ctgcacattc atggagcttc 120
actctgattc caaatccaga aagaccacca tgtcacttat ggagacactt gaaatccttt 180
ccacatcttc actcatcacg cctgggggtga gaactaggaa tacgtgaata aaccaataac 240
acgtt 245
```

<210> 257  
 <211> 721  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (721)  
 <223> n = A,T,C or G

```
<400> 257
agtcaagaaa acttgnnnggg gcccggaacn cctatnttgt ncagntgggc nctntccttn 60
tgggntanttt anaacctnt nnggagactt ttnatgctgg gtggttgggg acccatttta 120
annggccntt ngagggggttt tttttntta aagggttann ttttnaaacc gggcntnggt 180
nggggttttn ggccngnttt ttgaacaggt ccncttaaaa aaccagaagg gcttgccaaa 240
aagaaatggc ttttngnaat gggcattccg gctttcgnat nccttgaaaa attnccggca 300
aaacacttac gacttaggaa gntttgctta anggccaaac acgaaagatg ggcccaaaga 360
aaccaaaact cgtaaggggg actttccaaa accccaagta cttctcttgc ccaaactt 420
gtacctcaag tttcatttgc ccaggaagaa gccatatgaa gcctcacaag tggccttgca 480
ctttacccca agtaagccct tggaaagtgg tgggggcccc cgtacccttt tgtaccaag 540
ccggggaagt taagccgcct tgctcttacc ttcttctctt gggtttcacc tatncccgct 600
tactttggca ttgccaagg gggtttcttn tttcttgagg gggcaaaaag cccaaccac 660
caccctggtc ttttttgggc ccactttctt tccaagccna aaaattaaga tttgggctct 720
t 721
```

<210> 258  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (345)  
 <223> n = A,T,C or G

```
<400> 258
accgtggccc catctattat ttttgaagag gaaaactcct ggngccaaaa agtccaccga 60
tccttggttc agacaaggac ttccaattgc ttaatgtcag atgaatactg aaaggtcacc 120
agaggataca ccacggaaca caggacacc atgactattg aagtgttgaa gattccagat 180
gaaacgtttt ttaaaatgta agcctacact gcagggcacg gtgttggtgcc tggagtcccg 240
gctacgtggg aggctgaggt gggaggaccc cttgagccca gaaattctag tgcaacctga 300
gcaacacagt gaaacctcat ttttaataaa atatttttta agcct 345
```

<210> 259  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

```
<400> 259
gatttctttt caaaagtga ctttggtgta gcctctggtc tggggcgga gatgagaatg 60
agagggcagc ctgaccccc tcctgataag gaaggaccca gcgcataacc tggtcaggat 120
ctggagccgc acaaacacct gactcgcccc ttcaaaacaa gatccgcgga atggctcggg 180
acacaacaag aaattgccgg caacctgtga cggtcattt ttaccgacag tgggagcg 240
gcagtcggaa ggaatgccca tttctccggt gttccttccc agaagcaaaa gaacgtgttt 300
gtttatgc 308
```

<210> 260  
 <211> 517  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> (1)...(517)

<223> n = A,T,C or G

<400> 260

```
ctgggagctc ctgcgtgagc tcntgnntta ngttagaant gcggtgtgac cacaccagge 60
cagggaagaa acacgtgccc agcctgccat ctgccctcct gtcttgaggc caggtctttc 120
caccagcttc cttcatcttt taacacttgg tgaaaaggaa tgacacgtca gtcaaagccc 180
ctggccgggtg ctcatggagc atctggcagg aggaagcccc ttcctggctg gcctcccatt 240
catcagtcag cgccgcaggc tgggcccagg acagctgtgg aacctgagct gggaggcagc 300
tgtgaaaggc aagaaacaag gaaaggggac agaagtcacc cggtcggtga gccagctcgg 360
aggcaggcag agaaagcaag agaaggggcc tctcctgccg tcatcctaac ctcccaggtc 420
ctccccaaag gctcccaacc cttcccaaac actccccagt ctcccttctg tccccaccac 480
catccctntg gccctgattt acaagctggg cagtcac 517
```

<210> 261

<211> 94

<212> DNA

<213> Homo sapiens

<400> 261

```
ggcagcccca tgaatatgaa gatacttggg aagtctttac tacagagcat gatttcagga 60
atgatgaaac aataaatgag aatctggtat taat 94
```

<210> 262

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(342)

<223> n = A,T,C or G

<400> 262

```
ttaagtcgaa ctgnnggagag gaanagaaag acagagtnnt gttctgtngn gcatgctggc 60
gtacagtgcc acaatcacag ctcaccgcag cttccaactt ctggactcac atgatccttc 120
tgccctcagac ttccaagtac ttgggactac agtcacgaat caccacanc cagcttgann 180
gantttttta ngggnaaana ccagtcgaat ggaactggaa ttatatgact tggggccaaa 240
ataactgtgg tcagctgact tgttaccgta ttttaatttta attttggagc ttgtattcaa 300
aagctattat atgaatataa gaataaatga tttttttaac at 342
```

<210> 263

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(520)

<223> n = A,T,C or G

<400> 263

```
ttaagttaga tgtntgggna ggaagngaaa gacananaca tgaanggagg anggnccnag 60
nnnggacnnc aagatgccat ctataagcca aagagaagcc tnagangaag ccaaccntgc 120
tgacaccttg ttcttgagct tctagctttc agaactgtgg gaaaagaaat ctgttgagtc 180
atccagctctg cagtactttg ttatagcagc ccaagcaaat gaatatacct tccttgacta 240
cttcactctta taacgtgcaa atacctcaac ttcagcacca ttacatggt tattcactgc 300
ctttattgggt agtcatattgt gtcttcccca gaagactgaa gctattaaaa gactgataat 360
ctatttnata tcttttggnn ttatcaagct caacatggta tcttcccaca ataaaaattt 420
gactttctgt actcttcctt ccattaatgc ccgagtgaat atatggctgg tagtggtttg 480
ctgaagtaaa gcggattctc ctgcctgaaa aaaaaaagaa 520
```

<210> 264

<211> 566  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (566)  
 <223> n = A,T,C or G

<400> 264  
 tgtacaactg tgatccaagt caacgtcagc cataaatcct tcttcaaaaa attcactgga 60  
 tacctagaag aaaatgaaac acctttactg ttacattatg gtacctagcc tccaagaaga 120  
 ccccggttgtt ccccatctct ggtattcaca cctttgtata gttccctgct cactatacca 180  
 nagggggtct gcgtgacct aaagaagtgc ggaagtgtcg gcgcatcggt tctgagacta 240  
 gttttataaaa ggctgcagct cccatctctc tcagatcact tgctctgggg gaaaccagcc 300  
 accatgcagt gaggacattc aggcaagcaa gcacccaggt gatgaggagc tgcattccacc 360  
 aactgtgagc gagccccgag ctccgcagcc ctggccgaca gcctgactgc agccccagga 420  
 gacgctctgc gccagaatcc accagctgag ctgctcccag accctgactc gtaggaactg 480  
 tgagatcatc aatgtttgtt ggttaaagct gctaagtttt ggggtcactt gtgacacagc 540  
 aacagataat attcttcctt aataga 566

<210> 265  
 <211> 334  
 <212> DNA  
 <213> Homo sapiens

<400> 265  
 ggccgacaag ggagataaat tccgtaatgg gagctgcggc cctgctctcc tgtcctgggtg 60  
 gagctttggc tgatggaaag gattcagttg cctgtctgaa cagtgactac catgaactct 120  
 acatgctgtc tacttctaac cctctttggc ctgactccag cttcaacacc tggaaacatg 180  
 gcaaaaagaa caggggggaca ttggcttgga ctggagccac gtgtcagagt ttgactcaag 240  
 gatagttgat gtagaatgaa gagaatgagc agggacaag aggtataaat gtgcatgatg 300  
 tttattcatt caacaaacat catttgagcc cctg 334

<210> 266  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (338)  
 <223> n = A,T,C or G

<400> 266  
 tcctgtttga gttnatntga gggccaggaa gggaaggaca aacctcccta ttaaagaaat 60  
 ccctggactg gaaaggactg gaacattggg agtggaaagtc cacattagcg gaatagtatg 120  
 ttctgaaggc atttgagcag atgaaaacct gatacatgag acataaaacc tgaggaaaat 180  
 tatttcatgg gaacggtaaa aatgggtggag agggtaaatt gggcaaggga gaagaacgga 240  
 ggagagggag aggggaagtgc tgctgaactt atttcaaaga agaagaagaa aaaaaatgat 300  
 ctcttggttt tcattaaata atggatgctc tccaggcc 338

<210> 267  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<400> 267  
 cctactcagt tagaagatga caaggatgaa gacctttatg atgatccact tctactcaat 60  
 gaatagagaa atcagcaaa gacggtgtgc aggccagctc ccttctcaag ccatgtgggt 120  
 ggcagaccct gtgggagcct tccgggaccc acccttccat cctctgcaca gccgctaaag 180  
 gaggggtgag agcccacacc agaactggtc tgcttgtgag atgcctgaag aggacagtcc 240  
 cagtttgattg tgttttctta actgtagact ctaatctctc caggtggaat ctttaattgag 300



gctggccctg	ccagggcatg	tacaggggtcc	tgggaattca	acagaatgaa	ttcaacagaa	360
tgcattgggat	ctgatgtcag	aaatgccttg	cttgtattct	gaccatatca	catatgagct	420
atgtggtgat	tt					432

<210> 268

<211> 255

<212> DNA

<213> Homo sapiens

<400> 268

gctggagtg	acaatcacag	ctctctgcaa	cctcgacctc	ctgggctcaa	gcgatcctac	60
cacctcagtc	tcccaagtag	ctgggactac	aagtgtacat	caccatgcct	ggctaattga	120
ttgtcaattt	ttgtagagat	ggggtatcac	catgctgccc	aggctgccaa	gtctttatgt	180
actttccgac	tcatacaaaag	actaaattat	gttcaatact	atttttagcat	taattaaaca	240
tatttttgcta	tattg					255

<210> 269

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (428)

<223> n = A,T,C or G

<400> 269

gacggactct	tgctgtgtca	cctangctgg	agtgcagtgg	gcgcaatctc	agctcactgc	60
aacctctgcc	tcccgggttc	aagtgattct	cctgcctcag	cctcctgact	agttgggact	120
acaggcacat	gccaccatgc	ccagctaagt	tttgtatttt	tagtagagat	ggcgtttcgc	180
catattggac	agactcctga	ccttatgata	tgcctcctc	ggcctcccaa	agtgtctggga	240
ttacaggcgt	aagccactgt	gcccggccat	gcattcattt	cttacacgta	tcattgttgt	300
tttaaaagtg	aaaagcctaa	gaagagatgt	taggtttgct	tgttagggtg	ggattaattt	360
ctaggtacac	caagccaaat	ttncagtcct	gctgnntaaca	cccaacttct	tgngaaccct	420
tttttttt						428

<210> 270

<211> 286

<212> DNA

<213> Homo sapiens

<400> 270

gttggagtg	agttgcgtga	tcacagctca	ctgcagcttc	aatccccggc	tccagtgatt	60
ctcccacctc	agcccccgag	tagctgggac	tacaggtgca	cattacaaca	cccagctagt	120
ttctgcagtt	tttgtggaga	gatcgtttca	ccatgttgcc	caggcatttc	tcaaactcct	180
gtactcaagc	aaaccttcca	ctttggcccc	aagtactggg	attcaggcaa	gagccaccgc	240
gtctagccaa	ttatacaatt	tttaaaataa	attgaaatgg	tcgttg		286

<210> 271

<211> 285

<212> DNA

<213> Homo sapiens

<400> 271

gtcctgatat	ggaagaaaact	actgatgtca	gctgaaggac	cacactgatg	cagctgtcct	60
gaaggactcc	ccgaggagct	acctcatcaa	aaaatacagt	ttccactttg	cgatgatttt	120
atcccccttg	cccccaaccga	ccagcaaccc	cagtattcca	gccccctcact	ctccacaata	180
cccttaaaaa	ccctcatccc	agaactcctt	gaggagatgg	atttgagggt	cccttctgtc	240
tccttgcttg	gccaccctc	aatcattaaa	ctctttttct	gctgc		285

<210> 272

<211> 326

<212> DNA

<213> Homo sapiens

<400> 272

```
gctgtggtac cagtggatat aagaagcaac taagagaacc caatggatga gttcctctgt 60
ttcagtaaata aatcaaaggc aacatctgag ctggataatg aacaggaaga aaagaccacc 120
aagtatcatc attagtggaa tactgactga aatgaatcaa gatctcttcc tcaaccaaca 180
tgacagaaac attccaaagc tgccttcac aacctagggt ctataagaaa ttaaagtcct 240
aatgctctaa tatatgctat tataggcaat gagctcttaa tcctatgcat ctagaagact 300
ggctatgtat cacccttggg agaact 326
```

<210> 273

<211> 362

<212> DNA

<213> Homo sapiens

<400> 273

```
tctccaaaat actagggtgta tgggtgttata tttccaccac tggtgaaaac aacccatggg 60
ctaggcactt tggagtagca cccaccagct gtgtgaaggc caaatggatc ttaaagagtt 120
gtgcagtggg actgaaagag gagagtcact atttcagaga taaccaaatag ttaaaaaaaaa 180
gagttttgaa aacgtggaca agcttcaaat gaaaagaaga ggatgacaga ggacttggag 240
gggaagaaaa caaaaatcat aatcatagac aatattgttc accatgtaca agacagtgtt 300
ctaagcagaa tgagtgcctt tggatgatgat acctcgtcag gaccacagta aacttaccca 360
ct 362
```

<210> 274

<211> 105

<212> DNA

<213> Homo sapiens

<400> 274

```
ggaggctgag gtgggaagat tgcttgagcc caggagtttg agaccagcct gagtcaacac 60
agcaagacac tgtctcttaa aaaaaataaa taaatacttg ttttg 105
```

<210> 275

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(548)

<223> n = A,T,C or G

<400> 275

```
acagggctctt gctctattgc ccaggctgga gtgcagtggc acaatctcag ctcatgtcag 60
cctcgacctc ccaggctgag atgacacctc cgcctcagcc tcctgagtag ctgggactac 120
aggcgcgcac caccatgcct gctgattttt tgtagagaca gagtctcgcc gtgctgcaca 180
gactagtctc gaactcctga agctcaagtc atctgcccac ctacagcctcc caaagtgcctg 240
ggatttcagg tgtgagccac catgcccagc catattcttt tttttttttc aatngnnggg 300
aaattcccnt ancataaaat taacttttta aacngaacaa ttcagggggg ntaaaaaanat 360
tnanaagggg ggactannan aaccttngnt tagttocaaa anatttttnt taccnccnca 420
aaaagcccan acnttggang nnggaacttc cctnttttcc cctnntccca gccnttgaaa 480
acnacnaann tgggtttttg tggntngnct nttttggnnn tttnanataa angngngttt 540
ttaatatg 548
```

<210> 276

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(358)

<223> n = A,T,C or G

<400> 276

```
tggggagctc ctgcttaagt ccganctgng atatgttccg ttttaaggctc tgaagatggg 60
gagagaattc tggatgatcc aggtggggccc ttaataatgg tcccttatta cagagagcca 120
gagggagatt tgaaactgac aggagaagtc agtaagacca tgaatgcaga gattcgagta 180
atacggctac gagccaaaag atgccagcag ccacctgcag ctggaagagg cataaatgga 240
ttctccccta aagctcccag gagtgtggcc ctgctgacac cctgatttca gccccatgat 300
actgatgttg gactggtcct cagaactgtg aaagaataaa ttcctattgt tttaaacc 358
```

<210> 277

<211> 183

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(183)

<223> n = A,T,C or G

<400> 277

```
aagngattgg aggtgagtc gcttcaaccg tgccatgagg acctcaccct aggaggtggc 60
agagacaccg gaggaatgga acccaagtca tggaataacc tcacattgca gagccacctt 120
gctaattcttg gactgctcac ctctggacta tcactggaga aataaataca cttttaagtt 180
gtt 183
```

<210> 278

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 278

```
ggggagcttc tgcttaagtt acgaagctgn nattcattct ntagaagggc atcanaggaa 60
gataaagaag gatcctcaat gtcagacatc tgagcccaag ctaagccatc ataatccctg 120
tgacgtgcac atatacatgc cccactccaa ctaatcaatc gaccttgtga cattcctccc 180
ctggacaatg agtctcatga tctcccaacc ctgcaccttg tgacctctcc cctgcccaca 240
agagataacc acctttaagt gtaattttcc actacctacc caaatcctat aaagctgccc 300
caccctatc tccctttgct gactctttgt ggactcagcc cacttgcacc caagtgaat 360
aaacagcctt gttgctctca c 381
```

<210> 279

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(459)

<223> n = A,T,C or G

<400> 279

```
gtcgaactgt gaccctgnnc tcccttgctt tantggaatt ctcttccagc ttcttggacc 60
ctgtactggg gtgaagagta tcttccaaaa attcacatct acccagaaca tcanaatatg 120
aacttttttt gaaatacgtt tttgcngatg taatcanata aaaatgagat nataccanat 180
tagggtnngc ccttatccaa tgaatagtat ccttacaaaa agacggaaac ttggacatgc 240
acattccggg ggaacctcca tgtgatgggtg aacactaaga ctggagtgat gtgtctacaa 300
gccaagaaat gccaagattt ccagcaggca ccagaagcta gtagagaggc atggaacaga 360
ttgtccctcc gaacctccag aaggaaccaa gcctgcagat gccttaattt cagacttctg 420
```

atgttcagaa ctacaaaaga ataaattcct gttgctttt

459

<210> 280

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(281)

<223> n = A,T,C or G

<400> 280

```
tggggagctc ctgctttaag ttagaactnt gggacagnat gtcngtcnna canttttatc 60
ccggntggaa tgcagtgggt tgatcctcct gcctcagcct cctaagtagc tgggactaca 120
gagacggggt ttcaccatgt tgaccaggct ggtctagaac tcctgacctc aagcaatcca 180
cccacctcgg cctcccaaag tgctaggatt acaggcgtga gccacctcgt ctggccaata 240
aacagaactt acaattgatc tnaaaaaaaaa aaaggccggc g 281
```

<210> 281

<211> 252

<212> DNA

<213> Homo sapiens

<400> 281

```
gaagatgagg atactgacag agtaaaatca tggagaaaat ggaagaactg aatgcagaca 60
tgagaagtta aatcacagaa gaaaagttaa gcaggaactt gagagaggga tgaactgtga 120
caagttgtaa gaaggaagac caggactcac caggaaaata ataaattgtc cttgatcgta 180
caaaagaatg tgttaatgga attttcctaa taaatgtgag agaatgtcag cataaatatt 240
gatttttaaaa ac 252
```

<210> 282

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(380)

<223> n = A,T,C or G

<400> 282

```
atggagtctt gctctgttgc ccaggctgga gtgcagtggc acaatcttgg ctcactgcaa 60
gctccgcctc ccaggttcat gtcattctcc tgcctcagcc tcccaagtag cggggactac 120
aagcacccgc caccacgccc ggctaatttt tgtactttta gtagagacag ggtttctactg 180
cgtaaccag atggtctcga tctcctgaac ttgtgattcg cccacctcag cctcccaaag 240
tgctgggatt acaggcgtga gccactgcat cgggccagc aatcttttaa accacactca 300
ttgnctaatt ttgctagcaa ttcaatataa actttatgct ttgaaaataa aattggattc 360
attttgaaga cttaaaaaag 380
```

<210> 283

<211> 120

<212> DNA

<213> Homo sapiens

<400> 283

```
gtcatctttg atctatcaga ttttaaggca tcatctgaca gcagatcttc aataagtatc 60
tgtggcatga aggaaaagg aaaggaaaag ggaaaggaaa aaggaaaagga agaaagggaag 120
```

<210> 284

<211> 317

<212> DNA

<213> Homo sapiens

<400> 284

```
gttcatgtgg aaccctgggt tctcctacat accatttggg gacgctgggg accagtatta 60
aagaaaaatt atccagacac ttgtaaaaat gcacagtgat ggacattgag gaagatattg 120
tatatttgtt cactcaacac tcattccaac gctctcctag tttgcctttc tatctactac 180
aggctggaag actgactcta gtggagcctg ctgtctgaaa ctccgaagtc tgaccaaagc 240
agcaaccccc tctccattat ccctgttccc cctcctctca cgacataaac aaaagtgtaa 300
gcatggaaat cataatt                                     317
```

<210> 285

<211> 300

<212> DNA

<213> Homo sapiens

<400> 285

```
atgtaaagag ccatgaaaca gatgtgagag atgccctgac ttagaagccc cctcttcaca 60
gggtgccaaac tctcttgaac aactcagcag gcatgggtttc aaagaccccc ccacacaaaa 120
tgcccgatta tgagtcaaca ccttcaggga agcccaaagc attttcctta tctggagatc 180
ctctgtcagt caaattccac tattatgaat acagcaaac aatacagaag aaatgagacc 240
attatgtaac agaaatagat gtcacagaga tcacacaata aagctcacgc aatttactcc 300
```

<210> 286

<211> 436

<212> DNA

<213> Homo sapiens

<400> 286

```
ctctgttgcc caggttggag tgcagtgggt caatctcggc tcaactacaac ttctgcctcc 60
caggtccaag ctattctcct gcctcagctt cctgagtagc tgggattaca cgcacacacc 120
accatgcttg gccaattttt gtattttaaa agaggtgggg ttttatcaca ttggccaggc 180
tggtctcaaa ctctgacct caagtgatcc acctgcctcg cctcccaaaa gtgctgggat 240
tacaggtgtg agccaccggg cctggccaag agttacttac atttttaaat gacacattat 300
ggcattttat gggagaaatt cttctgctgt cggcaatatt cgatttgagg atttgaccag 360
gtctctggac atctccacac gtgtcaatgg gctaagggtgc tttaaataaa caaggttatc 420
tgcataagtc cacaat                                     436
```

<210> 287

<211> 388

<212> DNA

<213> Homo sapiens

<400> 287

```
attggcgtgc ttaaagggtt gaccatctga tgtacaggaa atggaaacta ctctctgaaa 60
agcaagtgat ctcccagccg caccatttta ggagaccagg attttatttt gatccacagg 120
agactaaatg agttagaggc cactcctgta tcaacagagt ttgttactta aatgacagta 180
gggcgggttcg cagaagggaac accaaatagt ctgactatct accaagaaga gagtgtttga 240
acacatgtgc aacctcttga ctgtggtgtg tggggcagca ttttaataaga aagagctaaa 300
tctgcttgat gtgggaatat attcaacaca tgtttaagtgc taaaatatct aaagtaaata 360
aatgtctatg tactccatat tgttaaag                                     388
```

<210> 288

<211> 324

<212> DNA

<213> Homo sapiens

<400> 288

```
cggctgaatc acttgagctc aggagttcaa gaccggcctg gccaacatgg cgaaaaccca 60
tctctacaaa aaatacaaaa attagctgca cgtgatgggt cacacctatg gtccccgcta 120
cttgggaggc tgaagtggaa ggattgcttg agcttgggag gcggagggtg cagtgaagcca 180
agatcatgcc actgcacgcc agcctgggtg acagaggcag accctgtctc taaacaacaa 240
aaaaccccac tgaattgtat acgttaaaag gactttacat cacgtgaatt acatctcaat 300
```

gaaaaataaa atactgaatg aacg

324

<210> 289

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(565)

<223> n = A,T,C or G

<400> 289

gtggaaagag	aatagcttgt	gagagtgtat	gagtggaaatg	aagtgggtcag	atgagagagc	60
gcggcggaga	tggagagaag	cggagaactt	gatgcatatt	ttggaggcaa	aatcaacaag	120
attggctgat	ggattaaaaag	cagaanattt	tgccatanag	aaatctcttg	cttttcaatc	180
tctccaattt	gggaaccaac	caaccaacca	gtctaccaac	cagccaacga	accaactact	240
caaccgggtca	actgactcct	cccggagaca	aagattggag	aattgcttga	atctgggtaca	300
aagactaaag	caaagtaata	ctgtatcatg	cacagacctc	aactctgtga	agacagtccc	360
tcatgctgta	ggaagtcagc	cttgaatatc	taggcttagg	ggaggctgag	aaaggtcacc	420
actggagaag	taagcggttg	gggcagggtca	ggatccaggg	ctctcaattc	ttatggagag	480
attttgcttt	tttaaaacat	canacctgct	ggtgntgcac	tcagttttct	ttcttataaa	540
aatcaactct	ttttgagatg	tactg				565

<210> 290

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(343)

<223> n = A,T,C or G

<400> 290

canattgcng	cncnnnggna	aaanaaacag	ccatgtttgct	cacacaaagc	ctgttttggtg	60
gtctntttccc	acggacacgc	gagacaatga	ggagatacaa	ggtctcgtcg	ttctacctag	120
gctgttctag	aactccta	gtcaagctat	cctcctgcct	nggcctccca	tgctgttggg	180
attacagcta	taaattcata	caattatcag	agtttggttt	tggtcaagtc	ataattgtga	240
gtgaagaacc	atggaaggag	aacatttctt	gctcatcaac	tactttcata	aatcaacaa	300
tttgcttaag	taaagtcttc	aaaataaata	ctgattttaa	tga		343

<210> 291

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(403)

<223> n = A,T,C or G

<400> 291

ggttttgctc	tgtcacctgg	gctggagtgc	tttcgtgcag	tctcagctca	ctgcagcctt	60
gtcctcccca	gctcaagcaa	ttctcctgcc	tgagcttccc	aaatggctgg	gactacaggg	120
cttatgtctg	ggatcctcac	agagactaga	agtgtctccc	atccccatcg	cagtcctctg	180
cacttccctg	attgtcgagc	ggctccctgc	ctctgccctt	ttgtattcgg	agctacagcc	240
ttgcctcccc	tgttcccacc	accctgacca	ccccccaaca	ccatccccgct	gtcagctccg	300
ccgccaactg	aggcgacacc	tgttcatgga	aaccctgtga	gcctcttctg	tatccataca	360
caataggtaa	tgntgnttta	cgtgtttcaa	aacattaatg	gtg		403

<210> 292

<211> 185

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (185)
<223> n = A,T,C or G

<400> 292
cccagcccca cgtaaacaag cccagctgtc ctgctagaga ggttctgggg tgaggctgcg 60
aggagaagag ccttgatttg aagccttaag agtgaccctg agcnagaacc acccagttaa 120
gctgtgtctc cattcctgag ccacagaaac tatgagatga taaatgttta ttgctctaag 180
ttgct 185

<210> 293
<211> 231
<212> DNA
<213> Homo sapiens

<400> 293
agacaagggtc tcactctgac acccaggctg gagtgcagtg gtgtgttcat agctcactat 60
aacctcgaca gtgagatcct gagctcgagt gatcgtctcc cctcagcctc ccaaagtgat 120
ggaattatag gcgtgagcta ctgtaccggg ccactgttgc tgttttgaaa gggagccctc 180
ctctccccta ccacattcta tattaagaaa ttccaaatta aatgaagaga t 231

<210> 294
<211> 153
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (153)
<223> n = A,T,C or G

<400> 294
gtgaggacac agcaatcctc cagaggatgc agcaacaaga caccatcttg gaagcagngc 60
agccctcacc agacaccaaa tcggccagcc cattgatctt agacttccca gcctccagaa 120
ctatgaaaaa taaatttctt ttgtttataa atc 153

<210> 295
<211> 289
<212> DNA
<213> Homo sapiens

<400> 295
ccacggaact gggattcctg aaaatcaaat acagaactca tcataccatt ggttgaatta 60
caatgttcta ctttaattgg gcacttacaa agtaattctt caatcagtg ctctaattgc 120
tcactgcttc ccaacaaatc tacgaagaca gaacaaaaga tgcaacttac agaaacacag 180
aaaattaaga ctgtcagagg acatagtgtc tgattcggag gtgggtggga gagagatttt 240
cactgaatag cagaataatg gaagattatg ataaaaataa ttaatggtc 289

<210> 296
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (275)
<223> n = A,T,C or G

<400> 296

```

gcattgtgaca	atgcaatgag	aagntggcng	netgnnnntc	acaagagggg	cctnaccata	60
acctgaccat	gctggcacct	tgattcccag	cctctataac	tnnaagctgg	gcaactacca	120
tntncagaag	tgtaagaatc	aaatttntga	tgtgtataag	ccatgcagnc	tatgatactt	180
natgatagta	nccaganctg	actatnatac	agggncntat	acatatatta	tgcttcntag	240
tnntcatctg	taaaataaaa	agtttgaaaa	caagg			275

<210> 297

<211> 292

<212> DNA

<213> Homo sapiens

<400> 297

gtctactctg	tcgcccgggc	tggaatacag	tggcaggatc	acagctcacc	gcagccttga	60
cttcctgggc	cctaagatca	ggatgaccc	ccacctcagc	ctcacaagta	gctgggacta	120
cagacaccca	ccaccacacc	ttgactaatt	tttttatctt	tattttttgt	aaccgggtct	180
aaactcctgg	cctcaagcca	tcctcccacc	tcacacctcc	aaagcgctga	gattacaggc	240
atgagccact	gcgcccacac	tagaccctaa	taatgaataa	aacattaaaa	tt	292

<210> 298

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(577)

<223> n = A,T,C or G

<400> 298

acggaggtctt	gctcttattg	tccaggctgg	agtgcaatgg	cgtgatctcg	gctcaccaca	60
ccctctgcct	cctgggttca	agcaattctt	ctgcctcagc	ctcccaagta	gctgagatta	120
caggcatgca	ccaccacact	tggttaattt	tgtattttta	ggagagatgg	gtttctccat	180
gctgggtcagg	ctggtcttga	actcctgacc	tcaggatgatc	caccacacct	ggcctcccag	240
agtgtctggga	ttacaggtgt	gagccaccac	gccaggcctt	ttttttaatt	ttagtaagaa	300
agaggtctcc	ctatatgtcc	caggttgagg	tcaaactcct	gggcttaaan	aagtcctcct	360
gcctcaacct	ctcacaatgc	tgggatcgca	ggatgaaca	accacaccca	accnnggtan	420
gggtattatt	atcatcatca	acaatgggat	tctttgggtc	tcttaaccaa	actgaatgcc	480
cgnacctctt	ttcacaatgg	cttttccttt	ctggantggc	ctttggcttt	gttngnatcc	540
atgtttcaca	tcantaaaag	cccctcttca	ggatggc			577

<210> 299

<211> 148

<212> DNA

<213> Homo sapiens

<400> 299

gtgaggacac	agcaatcctc	cagaggatgc	agcaacaaga	caccatcttg	gaagcagagc	60
agccctcacc	agacacaaaa	tcggccagcc	cattgatctt	agacttccca	gcctccagaa	120
ctatgaaaaa	taaattttctt	ttgtttac				148

<210> 300

<211> 338

<212> DNA

<213> Homo sapiens

<400> 300

gaagggaggc	agccccgagca	gacttactga	aggatgagct	gatctttgtt	caaatcctgg	60
ctttaccact	taatagctgc	acatttcctg	cagttcctcc	cacttatctg	agtctcagat	120
gctccccgtt	aagatgggtc	caatagctac	cactgcattt	acctcgaagg	agtaaagtag	180
gattaactaa	gcgcctgatg	tgaagaactg	tgcctgcagc	ctttgaagga	agccaggctt	240
tcgaggatgt	gtgaggcctg	gggaattcat	ttgtttcaaa	taaccatcaa	tgagattcca	300
gatttcctgc	ccagagttaa	aatcggtgtt	gaaaaccc			338



<210> 301  
 <211> 334  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (334)  
 <223> n = A,T,C or G

```
<400> 301
tggggagctc ctgcattaag tgagganctg anattatntg tatgcacatt ncatccggnt 60
ctcanatatc gnnacttggt caccacagta naggactcan aaatacccat ggcnaacnac 120
tggagatcct cactgnctca ngggcnagc tggtttgaac acggtctttc cattgnttna 180
ctgcccgcga ttnaccctca aggtccattc tgtgccaaagg cattgcatgt tctcaaggca 240
atgaccctgg agaatgaata gccatgnctg gcagtataag tgcttggaag gtgacttagc 300
ccatttgaac aataaaaactg tcttttaaac aggt 334
```

<210> 302  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (448)  
 <223> n = A,T,C or G

```
<400> 302
ntcagagccc ggcgctgcat cagactcacg tcaactaana aactnncct gtttatttaa 60
annaaatcna gccccaccca nttgaagtca ctgatgtaac tcagcaaccc acttggntcc 120
caatcctgga aggatacana catgttcatt angcttcngg cgcataatgt acanaacttt 180
ccatgaaacc aactggccat gantcnaagg actccttcac agagacaaat ccatctcctt 240
caaataccca nattctattg gtgngggaaa ggcaacgatt tgaaaaactg gagcatttta 300
cctaaaggga ttttaaaaaa tcccaccatt gctttatcac aacttggggg attattantg 360
gatttccctc cctcttgctc ccanaaggng gactttggag aaaaagagag tttgggagct 420
aagaataaac cgcatttctt gcatatgt 448
```

<210> 303  
 <211> 216  
 <212> DNA  
 <213> Homo sapiens

```
<400> 303
gagagacggg gtttctccat gttgcctagc ctgggtctga acctctcacc tcaagtgatc 60
cgctgcctt ggctctctca agtgctggga ttacaggcgt gagccaccgt gcctggccct 120
agcaagtcac ataatttata gagggtaact ctgtcgattt taaacttcgc gtagtctgac 180
ccattcattc atccaataaa cacgtattca gcacct 216
```

<210> 304  
 <211> 260  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (260)  
 <223> n = A,T,C or G

```
<400> 304
catgtgagaa cacagtgaga aggtggccat ctacaagcca agaagagagc cttcaccaga 60
aatggaattg gctggcatct taagtttggg cttcccagcc ttcaaagctg tgagaaaata 120
aatgttgttt aagcccttgg ngaaaaagac aaannaaact gcttttcaaa aaactnanna 180
```

```

anaanttggg cggnngncggg ggnncncctnt gtgnnctttc nacacnncgg gnnttttttt 240
naaanggggg gggccccc 260

```

```

<210> 305
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

```

```

<400> 305
gctcagctca tcatgaagaa tgtccatgtg acttttggtta ataaaataat agatccagtg 60
gactgtagtc tgtttaactg agacctcaca cataatgtca tggttgacag ttactggttg 120
aaggaaatcc atgttgggct tctgtggatg ctggattctt tccttctgag aagaaatata 180
acacactgac tttgagggtga tgggtggagaa aaagtacaag cagaagactt ttcncaactt 240
ctccataggc tggagtgcag ttgcatgaac atggctcaca gcagcctcaa cttcctgggc 300
tcaagcaatc ctccctgctc accctccata gtaagctggg accataggca ggtgtcacca 360
caccagggtt ctgtaactgg agactgccaa tgaaactgcc aaaaggcaga ttaaccagga 420
gaaaagacat acagacttca tctgatggtt acaggttaat ttttacatgc atggaggcct 480
tcatagaaaa agaagtgaan gccctaaaga agtgatttta 520

```

```

<210> 306
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

```

```

<400> 306
nnactgnccg actacagctc acgactgcng ccagcatact gacaatgacg cagcccggac 60
ctgggctgtc tctaccacaa ggacctctt gtggccctc ctggacacac ccatgttcct 120
cccagatcac ccctcgtgga cccccacaa ccaactgaact attctccaca gctacacttt 180
tgccatttca agaattgttat gtaaatggaa tcatacagta accttttgga attggctttt 240
ttcactcagc ataattctct ggagagtcca tccagggttg cacagggtatc aatagttcat 300
ggtgcccagc tacaatttaa cgtttcaccc accaaaagac attgggggtc tttccagttt 360
ttgactgcga caaataaacg aatataaaca ttc 393

```

```

<210> 307
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<400> 307
gacttctcta tcaggcagca cccaccagag agcagttctg aaactgagac taccagatca 60
gaaacaaaca agcaaaacaaa aaaagaccca taggagctgg gagtgcccat ccaagtacat 120
ccacatcatc cagtaaaaga aacagaacct tgaagtcaaa cagactgggt agcacacacc 180
tcctccgttt gctagttgtg tgactaaggg cagtttctta actactctgt gcctcctctg 240
taaatatcaa tgtgctaata atcccacctc gctggatcat ttcaaaataa aatgcataac 300
attg 304

```

```

<210> 308
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (1) ... (365)  
<223> n = A,T,C or G

<400> 308  
gcctatccag taacagagtc tactgcatca tattaactga taaacccagg atgacaagag 60  
aaacatggga ctactcttc atttgcattg actccagcta agagcttcag ttttcatgct 120  
ttgcttcaaa attattggtg agccctgtgc taatttccat ctcatcctag aagtcagtta 180  
ttttataagc atgtaattgc ttataaaaaat aagctgggaa ggaagaacat tttggaagag 240  
ggaggcataat gcctgaaaga agaaggggat gggaatacag tcagttgcta ttttggccca 300  
naaatatgtc aggcaaacat gtaggnattg natttccttg attgncttaa ttattggaga 360  
aagac 365

<210> 309  
<211> 298  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1) ... (298)  
<223> n = A,T,C or G

<400> 309  
tgggactcct gcttagtcga actgagccca gtgccgtggc tcatgcctgt atccagcctt 60  
ttggangccg ggcaggcnga tcacganatc angaaatcaa gancatnctg gccaacgcaa 120  
tgaacccccc tctttaccaa aaatacaaaa aaattaacca ggcggtggtgg cgggcgcccta 180  
tagtcccacc tactggggaa gcttaggcag gaaaattgct tgaacctggg aggcagaaat 240  
tacactgcct gagattgcat nactgcctnc acctgggcaa caagacaaga ctccgtct 298

<210> 310  
<211> 459  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1) ... (459)  
<223> n = A,T,C or G

<400> 310  
gtcaccaggt atgcccctgg gtccttgccg cagctgatcg ggtgctaggt gctgaggata 60  
cacctgtctgg gagaaagcaa ttggaagaaa tgcaaagctc ttcaaaggag acctataaag 120  
tcatctttgt tttgttcatt cttctcatgt ttctgcattc tgggcattct cctaaattgg 180  
ggagaaacca aaatgcccg aagtcaaatt ctgcaactgt catcaagcaa aatgtcaaat 240  
gagagaacca aagtatgctg gattctatat tgttaggaag ggatggntaa tttgattgac 300  
tcttgggagc tatttctcta gcattaagta attctagggg acccttctgt gatcatctct 360  
gagtaaataa agaaangaaa ttgcaattca aaaaaaaagc cagcgaggcc anttcagctt 420  
ggacttaacc aggtgaact tgctcaaaag gggggggggg 459

<210> 311  
<211> 585  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1) ... (585)  
<223> n = A,T,C or G

<400> 311  
attccggctg tgggctcctt ggaggaagag cagaggtgaa gcgcttctca tcccaccaca 60  
tcaggggtcc tgcctcggcc cggtcactg ctgatgttga cctcggctac ctggcagagt 120  
gtgctggacca ggtttctgct gcatgaagtc actctcgttt cccttggcga tgctccttcc 180

```

atcaaaaacca gagtgtccca gctctagatt cccaccccaa tctcctgtgg ctgtctcaac 240
acctccgtcg tgaatccgtg catcccttca gacgactgcc ttccgatgcg gccctgacct 300
gccccccctc ccatcactga ataggactcc ttttctcctg gatttcctgt aggaagtttc 360
aaaatgctct ccagntttc tgnggggtgga ttatcctctg gatctttcta aagtgaagtc 420
ctgggtttcac cacaactccc ccgacacagt tgaacaactg taccgngggg aggcttggnc 480
ctcttgcccc atttggggga tgn cattgna atcatgccaa gggccctgac gtcanaactt 540
cacctgacat gtgctcatgc cgggttacia accttccaag acaag 585

```

```

<210> 312
<211> 117
<212> DNA
<213> Homo sapiens

```

```

<400> 312
catttgtcac attgcaaaag acctcaacgc acagctgact ccaggggtgga aagaccaacg 60
acacgccgaa attcatcctg cactccagcc tgggcaacaa gagcgaaact ctgtctc 117

```

```

<210> 313
<211> 132
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(132)
<223> n = A,T,C or G

```

```

<400> 313
agtttggtctg tgttgctcan gctggagtgc tgtcgtgctg tcatagccca ctgaaacctt 60
gatttccttag ccttaagtga tccccccacc ttggccttcc aaagcattgg gattacaagc 120
atgagccact gc 132

```

```

<210> 314
<211> 263
<212> DNA
<213> Homo sapiens

```

```

<400> 314
atgaaccatt tctggtgcag aaaaggctcc gatgctgctt ttatgaagga acataatgct 60
agcttgagga tcacacaatt gcagacctct ttctccgggt tgggaaatat actgaagaac 120
agaagacacc tgctctccct tcacctccca ccatgattgt aagcttcctg aggcctcact 180
ggaagaagct aagaagatgt tggcgccatg cttgtatagt ctgaagaacc atgagacaat 240
taaacctctt ttctttataa att 263

```

```

<210> 315
<211> 362
<212> DNA
<213> Homo sapiens

```

```

<400> 315
gtctgacctg tcagtggctc agctgagatt caaaccggga gccagcacgc tgacctagtt 60
cacctgtgcc cgacatcatg cagcacagcc ccaaagtgtg agcaggccag gccggcacag 120
aaaccactgc gcacagatgg tctctcctcc ctgtcaccgt gacctccaac cctccctc 180
agcgtccgc cccagagggg tgctgcatcg gaacttgccg gcacaggacc tggacagccg 240
cacttagcaa gctcttctc cagccccatg gtgactgtaa ggtggggagt ctgggacat 300
gggggcaccc acctccagca aacacgccac aagcaccttg gaaaattcaa ttctgcctcc 360
ct

```

```

<210> 316
<211> 141
<212> DNA
<213> Homo sapiens

```

```

<400> 316
gttttttggg gattgaagaa gatgaagaca ttgcaactaa taatgacact gctactacgg 60
ttgtaggaag gaacgcacta aggaataact agaaacggat gaagaagatg atacagagcc 120
acgctgcagg actattttga t                                     141

```

```

<210> 317
<211> 508
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(508)
<223> n = A,T,C or G

```

```

<400> 317
atggagtgcta ctctgtcacc caggctgacc tcgactcaca gcaacctctg cctccagggg 60
tcaagtgatt cttctgcctc agcctcccgga gtagctggga ctacagggtg caggcctctg 120
agcccaagct aagccatcat atcccctgtg atctgcacct acacatccag atggctgaag 180
taagtgaaga tccacaaaag aagtgaaaat agccttaact gatggcattc caccattgtg 240
atttgtttct gctcaccct aactgatcaa tgtactttga aatctccgc acccttaaga 300
aggttctttg taattctccc cacccttgag aatgtacttt gtgagatcac cctctgcccc 360
caaacattg ctcttaactc caccgcctat ccaaaactat aagagctaata gataatccac 420
caccctttgc tgactctttt tcggactcan cgcctgncc ccgggtaaaa taaaagccn 480
tgtgtcacgc caaaaaaaaaa aagggccg                                     508

```

```

<210> 318
<211> 404
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

```

```

<400> 318
gtggggtctt tcattggcgg cagagtctgg ggctggcatg gctgctgggc tgcttggtc 60
tgaggaccca ccgtggagtt ggaacctgac ttgtcgggcg ctgaggacct gccaaagtga 120
gaacattcga gttctgcagc tgctgctaaa accatgggtg atctccaggg cccgtctatc 180
agggtgccatg cgtgccatac ggtgcgccac gtgaagtgca ccgtaaacat gatttaattc 240
aactttcaaa gccacccgga tcgagaaagt gcctatgtca ccatcttgat tattattgnc 300
accattttga gatgagatta ttgaaactca nagaanggat gnaagttggt tcaaaagtca 360
cccanacaga acctggtgat ttcaaacc aaagtctcctg gctg                                     404

```

```

<210> 319
<211> 237
<212> DNA
<213> Homo sapiens

```

```

<400> 319
gaattgtcct atgccaagag agctgccttg ccagaagtga cactcacttc caggagtcag 60
cctgcatcca gtggctgtca aagggggagc aattctgcag gatcatccgg gccctgagc 120
tctctgtaga acagctgaag cgaccgcatg gcctcaactt ctccctccac ccattcctgt 180
ttcctgccct ccctgctcag gggttaactcc aagagcacc cccagtaaac ctcttgc 237

```

```

<210> 320
<211> 218
<212> DNA
<213> Homo sapiens

```

```

<400> 320
caacctatcc aggataccat gtttcattta gttgtcatgt ctcatgttta ccagaaagtg 60

```

```

gtcccaactc agactccaag agagagtttt tggacctcaa gcgagaaaga tttcagagca 120
agtccacaga gtaaagtgaag gggtctaaaa cactatatatt tgggagtgca gcaaggggtg 180
gcggaatgga actgaaataa caagtggggt tgttatcc 218

```

```

<210> 321
<211> 226
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(226)
<223> n = A,T,C or G

```

```

<400> 321
cttcttaaat gctgcattga aaggatgaaa cagaacggat gtgaacaaga gttccctgag 60
aaaggacagc tcttagagag ataggataat tactggactc aagaagatac caaatcatgg 120
tgtgcatttc tgcgttgtgt ttggaagagg aactaggatt gttatgaaaa ggaaggatgt 180
gttcaactta naagaattaa acctcaacca tctgtctctt cccaac 226

```

```

<210> 322
<211> 177
<212> DNA
<213> Homo sapiens

```

```

<400> 322
ctgaaagaaa tataagaaat acaacctaata actgtaatga agtggttcctg aacaaaaata 60
cagataagct gttttaaaaat attatcttta tttgtatgct catatcagga taactccaac 120
taaggcaatt tgtctaagta gtcattttat ttaaaaagaa aagtaaaaaat agcaatg 177

```

```

<210> 323
<211> 502
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(502)
<223> n = A,T,C or G

```

```

<400> 323
gccgcacttg gtgagagtct tcacggacca cagtgttgca cgaggtgatt gtgtttgcag 60
agggtttttt gtccttgaag agcacttagg gctggagagc aggacacatg ctgacgagca 120
gaagctgaca ggcttgctgc catgtgggaa agtccttgga cgagttgtct gcttgcgag 180
agggtgtctgc ggctcaggta tgaacaaaag aaacatgctt cacttctggg cagaatcccc 240
aagagctacc atgaggtcct ccgcttctct tttctcccta ccacaagact gacatgactc 300
caagagggac tgctccttta gcctgggtcc ctagaatgaa gattgatatg cagaaaaact 360
tcagccagcc tgcaatggac ttgtgggggt agcaataagc ttttgttggt ataagccact 420
gagagccagg ggctgtatgt tactgnggca gaacttaact gaagctgact aacactggta 480
ctaacagaat cattttcaaa tg 502

```

```

<210> 324
<211> 229
<212> DNA
<213> Homo sapiens

```

```

<400> 324
acaaatcata acgaacagag tccagtgagt cctctgtctg caacaagttc aggatcactc 60
aagcagtgga gacggagttt caccatgttg gcaaggctag tctcaaactc ctgacttcaa 120
gtgattcgcc cacctcggcc tctcaaagtg ctgggattac aggcatgagc caccgtgtcc 180
ggccccacta cattcttaaa gaagcaataa attgaccttg tttaaatac 229

```

```

<210> 325

```

```

<211> 297
<212> DNA
<213> Homo sapiens

<400> 325
gtcctattca cggttactgg gagctggagc ttcaacagat cttttgggaa gacacaattc 60
aactcacgac agggaggaag aattgcgagt acttgctact gctgtgatgc cgtggagtga 120
gcagaaagat caatgccaga tctaaaagga cttgaggctg tgagtcccat ctcttggtct 180
ctctcacctt cttgccttcc actatggggt gatacaagaa tgccctcgac agatgctagc 240
actttgatac tggatttccc accctccaaa gctgaaaaat aaatttcttt cctttat 297

<210> 326
<211> 282
<212> DNA
<213> Homo sapiens

<400> 326
gagcagaaat gtgaacagct ggaggccgga aaagaaagga cacaagcggg gaagaaacac 60
cagaggaaaa ataatccctt agagggtaaa gaacaaataa ttgaataagg gattaaaaaa 120
cacacaagga gagatccctg gtaattaccc ttgacagcca gtgtgaaaag ggcccgggat 180
gggggctttg tccctccctt ctccgctcac acctctcagc cgcagtaggt tctttcctgt 240
tgctcctgtc ttgatttaga ataagctcct tttctctaaa gc 282

<210> 327
<211> 269
<212> DNA
<213> Homo sapiens

<400> 327
attccccctt gctgacagtg tgtgccctgg cgatggagca gtgtccttgt tgcagatttg 60
aaccactttc acctcgtaaa cagcagctgg tgagaggaat ggacttgcac attcattcgt 120
tttacaatg aagaaactga agcacagaga aggaaggaat gatttgtgca ggaggtggtg 180
tttgagatac tcatcatttt ctctcattac ccacatttgt ttctactcct gtagtagttt 240
ggttaaaggc aatagactcc ttgttcctt 269

<210> 328
<211> 174
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(174)
<223> n = A,T,C or G

<400> 328
ccgcagcgcc tcccgtctct cgcacgtgga ctcggtggctg taatagcgca gcaggaaggg 60
ccagacctcc ccgcggattg acacatcaat accgccaaag aaaatggcct ggaggaagcg 120
gcaaaagttg gtgaggggat naaatggggc agtcaaaga acccccaaat cccc 174

<210> 329
<211> 405
<212> DNA
<213> Homo sapiens

<400> 329
agaaaatacc tggtaagccc taatggaaac catctgttag aaaaagaagg agacagaatc 60
gtggagctct gttgacttcc ctgctcttac cagcaaagag aagaggtgta gtaattctta 120
aaaaggaaga aagaagagag atcaaagtgg gagaaggaaa aataaaaaga aaaaggacta 180
agcactttct tctttcctct gagagactgc ggtggctctc ccacctttcc ggagactcgt 240
cagcacctgc ctgggtggaca gcaccacatc tttaaattct aaggttctaa cccctttatt 300
cccaaattct ggagttcact aacaaagtgg ttttcattct ttaaaaaatg aaatgaaacc 360
aaagagggac acacagaggg cttccaaaat aaaatgctag atctt 405

```

<210> 330  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (434)  
 <223> n = A,T,C or G

```
<400> 330
gacagaagct ttttagtttg acatcactaa tcatcaagga aacacaaatc aaaatcacia 60
tgagatatca ccttatacat gtgaggatgg ctattatcaa aaatacaaaa cacaagtgtt 120
ggcgaggatg tagagaaatt ggaacccgct gttgggtggga acgcaaaatg gtacagccac 180
tatagaaaac aacttccacc ccaagaagtt gtgaatcaca cagtatttct gaaaaggcat 240
ccttgcccta tgcaaggctg ccaatagcca aaaggaggca tctgagggaa ggaaaaaaga 300
actgcaccat gcatgcatga agttggcaat ttgcaaaaaga aatctgaaac aacattgcag 360
gcagaaaaag caggaaagag gagatggtna gagacataaa tggggaattg ggggcaacag 420
gaaattctgg cccc                                     434
```

<210> 331  
 <211> 167  
 <212> DNA  
 <213> Homo sapiens

```
<400> 331
ggaccatata acataatctt tatagtctcc agcaacaggt atgccttccc ctctacactg 60
tgcttcttgg gggctaagga agaaactgag actgcatttc atccttcagg agtgagaagt 120
ttttgctcca gtcataaata cttgctgaat aaatgaatct tctattt 167
```

<210> 332  
 <211> 254  
 <212> DNA  
 <213> Homo sapiens

```
<400> 332
actgagatat ggttgaacat atacttagga cacgtaataa ctatggaact tcatacacia 60
cacagcactg aggacatggt ctgaatacag acaatatgga ggcctcaggc tcagaggatg 120
gcagagtctt cagatggatg gagggagctg cagtcactga accactgcag ggagagaagt 180
actcacagac caggaacgct caacttgga cagagtaata ataaacttct 240
atcttggttt gagt                                     254
```

<210> 333  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (422)  
 <223> n = A,T,C or G

```
<400> 333
gatcctgtgc actttattct tcctaccag cctcagaagc cacgtgctga agacagtga 60
gttctgtctg ggaagaagca tcgatcccta aatggctgca tggagcagag cagagatgtc 120
tgctcactaa gttggttcga agctgaggag gaaaaaaatt aggtgctagg atgctggaga 180
gatcctcaga aaccctctca catgaatcat ttaagtagat gaagagctag attgcaataa 240
tcattgggag gagaagaaga ataaaacatg agattccatt cacatcccag aattaaagg 300
aaaatgggta aaaagtgaca ttttcaaacc tggaatcaca ctggaacggt atttgcattc 360
tggtaggtaa caataaaaat ttaactntna aaatanggcc cngggggggg gggtcatgcc 420
cg                                     422
```

<210> 334



<211> 327  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(327)  
<223> n = A,T,C or G

<400> 334  
ttgaagccca gtatttnana tccagctgga atcacagggg tttcttggtt ggcccctccc 60  
tgaaaccctg gaagaatctg gagtcagcag aagtgtgcat gttgcaaaaa tcacagaatc 120  
atgtaaggaa tgaaaggaaa gcccccttct tcaaccctga ctccaacaat cccactgctc 180  
aaagggaacc agataatacg taggaaatac atacctacgt gtttcttaca tatttagaaa 240  
tatgtcaacc taagtcatta taaacataag tcattataat taagtcattt gtacttgaga 300  
agtcctaata tacatgggta caatgca 327

<210> 335  
<211> 460  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(460)  
<223> n = A,T,C or G

<400> 335  
ggattttacc ggttcggcca tatcagggac acttgaaaat ttgcctacaa atatttgcct 60  
gctttccagt gcagcccttg gaattaaaaa ggaaaattcc tgccctcaga taaagatagg 120  
gtcttgctgt gttgcccagg ctggtcttgg actcctggca tcaagcaatt ctcccacctt 180  
ggcctcccag agtgctgggg ttacaggcat gagccactgt gcctgggtcaa ctgtaacatt 240  
tgattgcttg gggctgcctg aagcatttgg aggatgagag gagagcattt attttctttt 300  
ggagagaaat ctcaacagta tgggcatagc tggctccttt tattcctgct tttcatcgct 360  
tttggtctaa ctgccatgga gacctggccc cttctacctt attttagaca ctttaaaaaa 420  
cacgggcncn ctttggnan anatttttaa aaacccccac 460

<210> 336  
<211> 305  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(305)  
<223> n = A,T,C or G

<400> 336  
gagttctgaa accacctcat acttggaata gaagccatgt gaaaacaaag cccctgcac 60  
actcctatct gcctggaatg ctgttggtgt anggtgtaat gtttgaagct gtggctgcca 120  
tcttgtagaca aaggggcact ccgtgttgct aggatgagga cggcagagga agatgctggg 180  
gaaagcctgg atctgcggac atctctgaac cactacgtcc tgggaccagc tatctgggct 240  
tcctgttttg tgagataatt tcacgtattt atgataaaat tattaataatt tgggtatcct 300  
gttat 305

<210> 337  
<211> 174  
<212> DNA  
<213> Homo sapiens

<400> 337  
gctagtcaag tgaagcagtg ggagtggaaa aggagcaaag aaatctgtaa ctggttggtga 60  
ttccatgaac tttttgaaat ccccttgat tggcttcctt ccctcttctg tcttacttct 120

ctactcccta caagtgtttt ctgggatcac ctccaaataa actacttgca atct 174

<210> 338

<211> 98

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(98)

<223> n = A,T,C or G

<400> 338

tacgtccaaa ctgagggatg ntaccggttc ggccatatca gggncacttg naaatttgcc 60  
tacaaanatn tgcctgcttt ccagngcage ccttgga 98

<210> 339

<211> 291

<212> DNA

<213> Homo sapiens

<400> 339

aaacagaact ccagatttaa aaataaagga ctgtatttcc cagcatccct tgcagctagg 60  
tgtggggcatg caactaagtt caggctaatt tcttcctgaa agcatacaaa gaacctacaa 120  
ctgaggcctc ctgggaatat accaaggcac catccacccc ggggcctttg tacttgctgt 180  
tccctttgcc tggaagactc tttctccaga tatctgcagg gcccaccct caattcattc 240  
ctgtattagt ctgttctcac actgctaata aagatatacc agagactggg t 291

<210> 340

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(271)

<223> n = A,T,C or G

<400> 340

attctcatca ctgaatctcc actgaaaaaa acagggtttg gcacattgtt aatttactga 60  
aaagntgang ccaggcgtgg ngntcacac ctgnnattcc ancactttga gaggccanga 120  
tgaggaggact gcttgaggcc agaagtttga gagcagcctg gtcaacatag ncagacctca 180  
tctctaaaaa taaaaataaa gtanataaaa cataaaaaaa gaagaaacnn cnaanaaaaa 240  
angggcctcn gnggcnttt aacttgggat t 271

<210> 341

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(285)

<223> n = A,T,C or G

<400> 341

tggggagatg tctgcgtntc nctncttgag gagaanccgg gataaatgga cttgangcca 60  
cgaggagcca gtgagtgggtg cctggaacac cgtatgatgc ccagaggagc ccagcagtca 120  
tgctctgaca gcagcatatg gtgcgactg gaagaagggg aaaataaggt caggaaggca 180  
gactgggagc ttggattcga ggctgaagaa ctgccatcaa atgtttttga aagggtgtgaa 240  
ataatcaaaa ctgtactcca tgatgattaa agctggcata gtgtg 285

<210> 342

```

<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 342
atggcgtttc gctcttattg cccaggctgg agtacaatgg cacgatcttg gctcaccaca 60
acctctgctt cctgggttcg agtgattctc ctgcctcagc ctccaagta gctgggatta 120
caggcatgtg ccaccaagcc cagctaattt ttgtattttt agtagagatg gggtttctcc 180
atgttggttca ggctgggtctc caactctcga cctcaggtga tctgcctgcc tcggcttccc 240
aaagtgctgg gattacagat gtgagccact gcacctggcc aaaagtgaag tcttaattcc 300
taattacttt gtctcctctt gttattaact tcttttcact tcttgaattt actgnactaa 360
ctgcacaaaa agaaaaattt cttgattata taattcatgc 400

<210> 343
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 343
atccattatt tgggcaggat tctgtangga aaactcatca ccacttnata tancatcagc 60
catgcggctc anctganggc tgntggatcc acttntaaga tgactcactg ctggctgggt 120
gttaatgctg ggntgaggcc ctggggcctt ggttngtctc cacattgncc tctccattaa 180
gcctggactt cctcacanaa tggtggaaga gntcttaagg gtaaaccatcg caagagagaa 240
aaccanacaa gagagcaaaa cttgcctttt gtgacctagc ctcagaaatc acatagtgtc 300
tattaattga agcaagtccc aaagtccac ctgggttcaa ggggaggaga tactgactac 360
actgtccttg atgggagggg ggtaaagatt ctggaagaaa aatgggacca naaatgntgn 420
tgcaccnttt tggggaaagg gaatntaacc caaccgggt 459

<210> 344
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 344
attcattctc atagaagggc atcagaggaa gataaagaag gatcctcaat gtcagacatc 60
tgagcccaag ctaagccatc ataatccctg tgacgtgcac atatacatgc ccactccaa 120
ctaatacatc gaccttgtga cattcctccc ctggacaatg aatctcatga tctcccaacc 180
ctgcaccttg tgaccctcc cctgcccaca agagataacc acctttaagt gtaattttcc 240
actacctacc caaatcctat aaagctgccc caccocctatc tccctttgct gactctttgt 300
ggactcagcc cacttgcacc caagtgaat aaacaagcct tggtgctccc aaaaaaaaaa 360
aggccagnn ggccaattna gcttggaact aaccaggctg aacttgntna aaaggggggg 420
act 423

<210> 345
<211> 238
<212> DNA
<213> Homo sapiens

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<400> 345  
 tttcagagag gaggggagct gtgcagagat gtgctggagg agtgcctatt ggtgaccaa 60  
 gacatgggat gctgaagcga tacagaatgc cacctggaag ttcgttgaaa ccattgccga 120  
 ctaggtgtgg tggcttcgtg cctgtaatcc cagtactttg ggaggctgaa gcaggaggat 180  
 cactggagac caggagttca agaccagccc gggcaacata gtaagaccct gtctctac 238

<210> 346  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 346  
 aaaaaggtaa tattttaagcc tgaagtttaa actttctttg agatccactc tgaagattta 60  
 ttaatttctt ggggtttgtg ctgcattctg cccctggctc ccacatgta tccatgaggc 120  
 atgcatgtta acaaacttct gtttgatttt c 151

<210> 347  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (423)  
 <223> n = A,T,C or G

<400> 347  
 gtggccatta ggggtgtcca gaaggctggg gaagcacaga caagggtaac tgcaaaccga 60  
 cagcacaatg ggatacctca gnatcccgc aggatggctg taactcaaac gacagcaaca 120  
 ccaatgcagt agacatgagg ttcatcacg ttggccaggc tggctctgaa ctctgacct 180  
 caagtcatct gcctgcctcg gcctcccaaa gtgctggaat tacaggcgtg agccaccgca 240  
 ccggcctgt ttctaccatt ctggaaaaca gtttggcact atactaaatg cctcagcagt 300  
 ttcaactttt gaaccttctt tgccctcacc cctgggaaat aacatttgcc aaaactcatt 360  
 gaactgtact cttaaaaatgn ggacatttta ttatatgtna actataattc aataaaattg 420  
 gtt 423

<210> 348  
 <211> 456  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (456)  
 <223> n = A,T,C or G

<400> 348  
 gattatggat tatggatctc tggaataaaa acatttagtg tcacagcaaa agaagttttg 60  
 agtttatata caaattaagt aaaagactaa ttttggtttt gaaaaactcg ttctctaaac 120  
 ttttacagga agtttaaata aattacatca tgaacaaaac tgcagtatgc cagttcctat 180  
 cctcatgacc tcacgattct gcctgagctc cacatcaatg aaaggaaaat cggataatga 240  
 agcacttagt ctaatatctc aatagcaacc accaantagg attacttttt agaaaagaaa 300  
 aaaaaaccta accttatatg taaatgtatc tagtgngcaa atgacataat gcttatatgn 360  
 atggaaatct atctagnngg ccaatgactt aatggcngg gnggggaaac ngngggcgag 420  
 aagcccccaa ttccnccctc cnggttttgg aaaaac 456

<210> 349  
 <211> 249  
 <212> DNA  
 <213> Homo sapiens

<400> 349  
 gataaagttt gatccagcat attctaaaat gctacaagac tgccagcaag tttcaaagac 60

acatcagaga	gaactcaacg	gcctgacctg	gagaccagga	ggatgacatt	ctcattaggc	120
aagagatgct	ggaccttctg	cagtaatgag	aaatgaaagt	caccactctg	ctctaaaagc	180
aggggctatt	tacccttgac	ctgacacact	tctcaaagct	ctcacaataa	aggcaccag	240
catccactt						249

<210> 350

<211> 205

<212> DNA

<213> Homo sapiens

<400> 350

aatttgagaa	tctgatgatt	gcagctggaa	agactgcaga	gagcacctgg	gtcaaccttt	60
tcattttgca	taaagggaaa	taggcccaga	gaaagaaaag	ggactgtccc	aagatcgcac	120
agcaaccatt	ttgaccttca	acaagtactc	cctgactcca	agcaataagg	gtgaaaaaat	180
aaggaataaa	ttgtataaag	cacgt				205

<210> 351

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(458)

<223> n = A,T,C or G

<400> 351

agtatggtgg	aaangatggn	acgcccactc	cangcctaac	ctntaggagg	actggcngtt	60
tntgctatgg	cctctgggnan	ccatganctg	ccatgaaaaa	ngncaaacta	ctctgctgga	120
gacacccacc	tggagaagcc	ntggnatctc	atgganaggc	agacggaccc	agctgagctc	180
agtgttccag	ccatccccac	gaaagcacca	ggaacctgag	tgaaaccatc	tcgatcctcc	240
agcatagcac	aatcacccngc	tgaagatnac	tgagtgactc	tagncggnag	ctccatggat	300
cactgaagga	tcacccntnt	gaaccctgcn	caaatttctg	actcacaaaa	ctgtnganca	360
tacaatgggt	gggtggttagg	gggcagtttg	gtatnctntt	ncaattaatt	tgccggaaga	420
gnccccaann	aaaaaaataa	ggggggcccc	gcaagggc			458

<210> 352

<211> 285

<212> DNA

<213> Homo sapiens

<400> 352

tgcttgtagc	gctgctatgt	ccattcctcc	atcatcccca	ccttccaccg	gaggtgctac	60
tggctccttc	agggcctgac	agggtgggtga	acccacagga	aacatcaggg	cagcctgggc	120
aagacaaaag	cagcttctact	ccacaactgt	ccagaatcaa	ggatccgggc	cggcggtggt	180
ggctcacgcc	tgtaatccca	gcacttttga	aggccgaggc	aggcagatca	cgagatcggg	240
acaccgagac	tatcctgggt	aacacggtga	aaccccgctc	ctact		285

<210> 353

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(448)

<223> n = A,T,C or G

<400> 353

gtggaaatgc	atttccaaaa	ccaccagctg	gctagaactt	tactggacct	aaacatgaaa	60
gtgcagcaat	tgaaaaagga	gtatgaactg	gaaattacat	cagactccca	aagcccaaaa	120
gatgatgctg	cgaatccgga	ataaagaaat	gcacacgcaa	gggctgggcg	cgggtggctca	180
cgctgtaat	cccagcactt	tgggaggccg	aggcgggccc	atcaagacgt	caggagattg	240

agaccatcct	ggctaacact	gtggaaaccc	tgccctctact	aaaaaataca	aaaaattaag	300
ccagacgtgg	tggcaggcac	ctgtagtccc	tgctactcag	ggagtcttga	gggcaggag	360
aaatggcgtg	gaaccccngg	gagggcngga	gcttgcagtg	agcccgaat	cgtggccact	420
ggtactccaa	gccttggggc	caacaaga				448

<210> 354  
 <211> 360  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(360)  
 <223> n = A,T,C or G

<400> 354						
ctacaacagg	gtgcctggcn	cnaggagata	ctcantaaaa	ctctcatctg	ctgtgtcatt	60
aaggggaaca	cttaatggct	cacgcctgta	atcccagcac	tttgggaggc	cgaggcggan	120
ggatcacctg	agcccaggag	ttggagacca	ncctgggcaa	canattgaga	ccctgtctca	180
acangagaag	aagaagaaga	aaaaggccag	gcgcctggc	taatgtctgt	aatcccagca	240
ctttgggagg	ccaagaaggg	agaactgctt	gagggccagga	gttcgagacc	agcctgggtca	300
acatagcgag	acaccccccc	catctcaaaa	ataaataaat	caaaataaaa	aataaagagg	360

<210> 355  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(387)  
 <223> n = A,T,C or G

<400> 355						
ttcttcgtn	actctggaat	ggagctggaa	gctgtcatcc	tcagcacact	aacgcaggaa	60
cagaaaacca	agcactgcat	gttcccactt	ataagtgaga	gctgaacgag	cagaacacat	120
ggacatatga	aggggaacaa	cacactctgg	ggcctgtgag	gtgcagggag	agcatcaaga	180
agaacagcta	atgggtgctg	ggcttaatac	ctgggtgatg	ggttgatctg	tgcggcaaac	240
caccatggca	cacattttacc	tatgtaacaa	accttgacat	cctgcacatg	taccccgga	300
cttaaaaata	aaagttgaca	aaaagaaaac	ataaaaaaag	ggccaggggg	gccaatncnt	360
ttgnacttaa	cctggctgaa	cttggttc				387

<210> 356  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(418)  
 <223> n = A,T,C or G

<400> 356						
gacgggnact	ctctgngatg	ccatnccagn	nntnaentgc	tacnggctgg	ctacctnatc	60
tgtggagctc	cagagaccan	gaangataac	ncctattgnc	atagctactt	gtcagcgcat	120
aagaaagtga	ncacacaggt	ggtaccaang	accttccttt	tctgggtcca	agataatggc	180
nggcaccnaa	ggcnctattcc	tctaccctac	tggnttatca	ctgggctgaa	gaancccaag	240
tagtgaatta	cccactagga	ccctggaaga	ggaagtacaa	cggttatcct	cagttttccc	300
tgggaatnng	aatgagctcc	tgggttactg	aaagtctact	ttggtgcctt	gaatttaacc	360
caatcccata	tgtgataatt	attttagcat	atttgataat	aaaagaattt	aagaaggg	418

<210> 357

<211> 363  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(363)  
 <223> n = A,T,C or G

<400> 357  
 gtcaagctgg tctctgggtgt ccatggggac acttcaggag aaaccgatta acattgagat 60  
 gtgtggaaac aggatcaata attttcagta actgaggaag attaccagaa gccaaaggcgg 120  
 cctttaacag agactgtgca gctctgagcc caggactgtt aagcacttgg caggcaatgg 180  
 agaaagtcta attgtggctg acgatgagtc attttacact attgtcacac ctcctttatc 240  
 cacattccat ttttaggaaca gtataacttt ccagccaga aattgtctaa tttaaacctt 300  
 gactcttacc tgtgtgaatc aaaatgactc anaaagtgc aataaaataa ccctgaggag 360  
 tcc 363

<210> 358  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<400> 358  
 gttccaggag ttgcagaaat gccaccagga tctgcagaac acattgcaag acaaggagag 60  
 ctgggaggac tcagaccctg acctcatcca aaagtgaata accaatcctg ccaaagtga 120  
 tgtattttct ctcccaaag gcagacttga gacccccagc ttcagggtgg cttctgcctg 180  
 acttcagag ctccagccag tgccttttgt ctgaaacctc catgtccagg acccttgggc 240  
 ggagaagaat ctgctggaca ctgcttgggg ctggaccctg agagcgctca catttgacac 300  
 ccagaaagc aaataaaaca gttgaaatat gt 332

<210> 359  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<400> 359  
 tcacagcctg ggctcatcac gaaaggcagc cagcacttca acggactcac tgcctctacc 60  
 tttctccttg cttggatgaa gaatctgaat ctagaagccc accaaattca tctaacagta 120  
 gtgcaagcag atattgcttt ggaaaatata tcagcagaga acactcctgg gatgtatttc 180  
 atcagtctga tacttccaac tctgccaggg aacaagctca ccaaaggctt ctcatcaaac 240  
 agctctgccc taaacaccct gggggattcc ccaacagtgt cttgcgggcc taatgacact 300  
 catgttcctt ctcatgctta ctttctttg cctgacgtga gtgcaaaaac ctatcttaag 360  
 caagataatt gtaaaaatac caaaattaaa tgat 394

<210> 360  
 <211> 373  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(373)  
 <223> n = A,T,C or G

<400> 360  
 ctgattcctc cttcctccat actcccaagg cacctgaggt ctggctcttc aggctgtgtg 60  
 acgacaggga ctttaaagag gcaatgaagg taaaatgagg tcatcaggat ggactccgat 120  
 ataaccggtg tccttacaag aagagaagac aggacacgca cacaaagcaa gggtcagcca 180  
 tgtgaggaca gtgagaaggc ggccgtcgac acgccaagga gagaggcctg ggaagaaacc 240  
 aaccttacac cttgacatca gacttctggt ctccaaaact gtaggaaaat aaatttctct 300  
 tgtttaagtc aaaaaaaaag gccagcgagg ccaattcagc ttggacttan ccangctgaa 360  
 cttgctcaaa agg 373

<210> 361  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(431)  
 <223> n = A,T,C or G

<400> 361  
 gagggggcaca ccttttcaggc ctagccctcg gcctggatga aggtgtggct gagcatccct 60  
 gttcctggaa cttggcatca gcatcactga catcggaagc acacggaccc cctcccactt 120  
 cgacaagcat caaaccatc tcttctcctt gctctggcca ggtcagactg gagccaactg 180  
 tgctgcagct cctgtggaag ccttggcagg gaggtgaggg ggagcaccag ttacaagcaa 240  
 aggctccgag tgcaaagagc cttcgcttat gattcaggaa tctctgggca agttacctaa 300  
 ggtatctgag ccagcagttc gtcattctgtg gaatggggag aatggcaaca cttctcataa 360  
 ggggttgaagt aaggggaataa aatgatataa tgngnattaa acccttaaaa aaagggctgg 420  
 ctggcatata a 431

<210> 362  
 <211> 253  
 <212> DNA  
 <213> Homo sapiens

<400> 362  
 gtattttttca gaccctgcat tctgttggat ctgctgatgc caccagact gataaactgg 60  
 ttcattctgac cttgtggccc cccgaccag gaactgaact cagcacaaga agacaggctt 120  
 caactccctg tgatttcatt cagcacctaa ccaatcagta ctctccactc cctagcccca 180  
 ctgctcccca aattatcctt taaatttttg gggaggctgc tttgaataat gataaactcc 240  
 tgtccttctg ctt 253

<210> 363  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(403)  
 <223> n = A,T,C or G

<400> 363  
 atcctgcctc ccacagtcac cctgctccca agtgcaacct ctgtctgacc ctgcatgggtg 60  
 tgcgggtgccc tctgcctca gcctcccggg tagctgggac tgcggggcctg cgccaccaca 120  
 cccggctaatt tttttctatt tttttttttt tttttggggg naaanggggt ttaacnattt 180  
 nggcnaaggn ggtntnnaac tccnatntg ggggcnacc cgcntgggcc tccnaggggg 240  
 ntnaaattgn agggggggggc naaccnccct ggccccaaan aaattttttt ttggttaaaa 300  
 ntttttgggg nnggattgcc ccctaaaatg ttccccaaat gggnccttatt nttttaaaagg 360  
 aaagncccaa aggnacttt atttttagn taggaaaaaa aac 403

<210> 364  
 <211> 132  
 <212> DNA  
 <213> Homo sapiens

<400> 364  
 gcatccaggat atacacacaa gctgcatcgt gtcactgcaa gcggctccca gagttgttcc 60  
 tgttcatcca ggaagaaaga aaatcccgcc aaagattgag agagatcaat aaatgtattt 120  
 ccaaagaacc tg 132

<210> 365  
 <211> 435



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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 365
tagtaaaang gggcctgctt ccccgtcacc ttccgccaca atcgттаagt ttcttggggc 60
ctccccagaa gctgctatgc ttctataaca gtctgcagaa ctgatgacat ggcatgaagg 120
ccctcaacag atggcagcac ctttaataat gaacttccca gcatccagaa ctatgagaaa 180
tcaattttatt ttcttataaa ctacacaatc tgtgggtattg ttatggcagc acaaaatcag 240
actaggacag aagaattctc caacgaaccc attcaggact ggtgctttct gttttgaaaa 300
gttcatattt ctttatTTTT gnataaataa taccattttc aagttataat gntcattata 360
atgncatatc cactagaaaa tttaaaaaca ctgccatact gaggggttta aagaaaacaa 420
catggactag cattt 435

<210> 366
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 366
gaagaatatc naggagccct taaaacactt ngatnaacna tacnaggtta tgcganagna 60
ccctcatttt ttanncaaga ttgcaaagaa aattcatttc agttctacat ttggtgcaa 120
gcgttggttag ttgcagataa ataagataga atccagctct taagaaattc aatctagtgg 180
aaaaaaacat aaatatttgc agttaatttt ttaggcgtca ggcactgtgc taagtactct 240
cattggtgac cttgattttt accctcttaa tctccatgtg ctcccccttc ccaatacac 300
tccaagtaaa tataaaatct tagtgaaaac 330

<210> 367
<211> 351
<212> DNA
<213> Homo sapiens

<400> 367
gcttaatttt tcctgatcat gagagaagaa cacagatgta gctgaactaa ggagcaaaaa 60
cccggcatca atacctgcta cagcacagat gcagcatgaa aaattatgct aagtgaata 120
agccagtccc agcagacaac ttgcttttta ttccagaggc ttataggcaa atctatacaa 180
agaagggtggg tggttcccta gggctgaggg aggaagggaa aactagttaa gatggctaaa 240
tgatgtgggg gtttgTTTT agggtgatga aaatgttcta aaattaattg taatgatgac 300
ggcataactc tcgaaaatac taaagttaat gaattctata ctttaaata g 351

<210> 368
<211> 271
<212> DNA
<213> Homo sapiens

<400> 368
ctccagctgc atctgatgtc actgctatgg cagtgaagaa tgaaaaccaa aggacaactg 60
gctacttaag gaattaagcg gactaaaatg aaaccattc acagaagcag ttccagtact 120
ctggctgaga ctctgttttc ctacatacag cccacattct gaatatactc aaatctacgc 180
aatttcaaac ttagaaaact ttaactgctg cccactgaa gccattttca agctggaatc 240
atgtataata aactactcca tctatttcac c 271

<210> 369
<211> 303

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<212> DNA
<213> Homo sapiens

<400> 369
ctccacctgc cgagttcacg ccattctcct gcttcagccc ctcgagtagc tgggactaca 60
ggcgcccgcc accacacccg gctaattttt ttgtattttt agtagagatg gggtttcacc 120
atgttagccg ggatggtctc gatctcctga cctcgtgacg tgctgcctc ggcctcccaa 180
agtgtctggga ttacaggcgt gagccaccac gcccggccgc tcttttctta aatatctggg 240
ggaggcctca aaatcaaaat gtctaaaaca gaactcatca tcaataaagc cattcgtcca 300
ttt 303

<210> 370
<211> 185
<212> DNA
<213> Homo sapiens

<400> 370
tttgtattca agacagaaaag gaacacctac ccaggagctc aatcacattg catgcacaga 60
caccgacaac cacacagacg tgtgaacaca tccccccaac gtgagcaacc gcagcataat 120
gggactcatc ccatccaaat acccatttca tctaaagtgt aaaaataata aaaagaactt 180
cttgg 185

<210> 371
<211> 294
<212> DNA
<213> Homo sapiens

<400> 371
gcaaaacatt ctctgcaatg tgggggtgagt ggcaatgaga acacctcaga agacactggg 60
tagctttttc aaactcttcc ctccacattg agattcagat ctcagaagta ctgggggaag 120
agggttgaga cttgtggatt ataaatcaaa aaaacctgag gttctgctgc agcccttcct 180
accaccacgc cgcacctccc taccttgaga atcgctttct gtctgttttg atgagaacac 240
tactttcgcc ccaaataatc catcatactg ctattaaaag tcaagttcca aacc 294

<210> 372
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

<400> 372
aaaacctgtg gctggtcttg gtattgtcat ggttcctcat ctcttctgga agcacacaat 60
gagagacgga gtctcattct gtcgcccagg ctggagtgca gtggcgtgat cctggctcgc 120
tgcaagctcc gcctcccggg ttcacgccat tctcctgctt cagcctcccg agtagatggg 180
actacaggcg cctaccatca cgcccggtta attttttgta ttctgtttag taaagacggg 240
gtttcacctg gttggccagg atggtctcga tctcctgacc ttcttgatgat ctgcccgcct 300
cggcctncca aggtgctggg attacaggca tgagccaccg cgcccagcca tatttttaaa 360
ttatctaaag aatgtaatta gattgtttat aattttaaagg atgaatgttt gaggagatga 420
ataccccatc ctccatgatg ngcttatttc ataantcatg cctgtatcaa aacatctcat 480
gtaccccata aatatatata caaaaacttt at 512

<210> 373
<211> 231
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(231)

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<223> n = A,T,C or G

<400> 373

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aganggtntc tnacgatgnt gcccacactg gccttgaact cttggggtca ancgancctc 60
cngcctnngc cttccaagta cnctagacta naggnacang ncgctgntna ntgatgcact 120
tttaaatccca atttttagga gctctgtgna atgttntcaa gcattttcca ttttttaagt 180
atttaagtat ttgagcactt tgagctaatt aaatttgaaa ttgtttaaaa t 231
```

<210> 374

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(262)

<223> n = A,T,C or G

<400> 374

```
accaagactg aaattggcct gcagatcaaa gaccatggca aaaaattcct gacattggaa 60
actgccttcc aaaacatccc tgtgcctcat ccctttctac acattccata taaagagatt 120
gtttcatttt ccacctggca acgcttaaat tgttttattt ttcttcatta aaaccaccac 180
gcctcttcat tcaaaaaaaaa aaaggncagn gngggcaatt cagctnggac ttaaccaggc 240
ngaacttgnt caaaaggggg gg 262
```

<210> 375

<211> 638

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(638)

<223> n = A,T,C or G

<400> 375

```
cctcgcgggg tggagggaac aaaactcttc gcggggtcttt cccagtgggg gaatccgaac 60
gggtattcga ataaagcttt tgaatgaagc ccgccacaat ggggaatcgg gccatttga 120
aacaagaagt ggggaattggc acgccaaggg ttcttcccgg cccggctttg gggtggaag 180
aaggcttatt ccggcttatt gactgggggc acaacaagac aaatcgggct tgctcttgaa 240
tgcccgcccg tggttccggg cttgtcaaag ccgcaagggg ggccgccccg gttctttttt 300
gtcaaagaac ccgacccttg tcccgggtgg ccctgaaatg aaactggcag ggaccgaagg 360
gcagccgccc ggctatccgt ggggcttggg cccaccgnac gggggccgttt cctttgcgca 420
agcttgtggc ctcgacgttt gtccacttgg aagccgggga aaaggggact tggcttgctt 480
attttggggg cgaaagtngc cccggggcca agggatcttc cttgggcatt ttnaaccttt 540
ggttcttngc cgagaaaaag gaatncccat tatnnggntt gaaggccaaa tgggcggggg 600
ggttggaana accccttttg aanccgggtt tacccttg 638
```

<210> 376

<211> 432

<212> DNA

<213> Homo sapiens

<400> 376

```
gaggaagaga agggcagggg gcaagagtaa aggcttttga gctcagcaag actgggttga 60
atctcagcct cattgtttac ttgatgtgta aaagcagggc ctactctgt caccaggct 120
ggagtgaagt ggtatgatca cggctccctg taaccttgaa ctgcttgggc tcaagcagtc 180
ctcctgcctc agcctcccaa gtagctagga ccacagcaac tgaagcctcc tgccaacagc 240
catgtaagta agccatcttg ggagcaaaac tatctggttc tcttcagacc ttcagatgac 300
tgcagcctca gctgacatct taactgcaac ctcatgagag accctgagag ccaaactctac 360
ctttctgagc aactatcaaa cttctgacct acggaaactg tgagataata aatatttttt 420
gtttaaacca tg 432
```

<210> 377  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<400> 377  
 aatgCGgagt gccccgaaa agtgcctccc aaaatgtctc aggtcagagc tgcaacctgc 60  
 gcaacaacgg ctaagatgag gaaaaccaag acacagaaaag aaaaccattt tgcataactg 120  
 acgaacctgg atgagttcat caccaaactc caagaaccct ccgctaggct tctgcctagt 180  
 gtccatgaac cagcagcacc ctcattacct gggagctgaa cagaaatgca gaatcctgca 240  
 cccacccccag acctactcaa tcacactccg tttcaacaag atctccaggc catacgtacg 300  
 tacagtacag tttgggaagc attgctctag gacagaaaaga gtttctcaaa attattagat 360  
 gaatgatctt attagaccca tgctctaaat aaatgtaaag ataatttttg 410

<210> 378  
 <211> 195  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(195)  
 <223> n = A,T,C or G

<400> 378  
 tctggggagc tcctgggttag ctccngctga gatactatna nactctgtga agccccgatt 60  
 anaaaaaaga tncaaaatac attccgagga gcanatcttt ctgtggtaac actgcattcc 120  
 anatgtgcga aaaagacagg gaaanacatg aactgcanta cattacggct aaagggagnn 180  
 ngcttattaa cttcc 195

<210> 379  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 379  
 ggagaagggtc accgtgatgt gatggaaagg cagaaatcaa tgggtggctgg ctccctcagt 60  
 atatgagtca atccatcaga cagactgggtg gcagncaccc agccttcaca gctaccaccc 120  
 ccatgctggc aaatgtcaca tttggaattc atttgcatag ctgggtagca ctcccctgcg 180  
 agttacattg aacaatttttg cagctgtgac agcttgaaat agaaaagcta atgcaactat 240  
 c 241

<210> 380  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(357)  
 <223> n = A,T,C or G

<400> 380  
 ccntcttctt acaaatganc ngacncagat gcgangannc ncaacgtcca catnnttgaa 60  
 gcaaagttac ttgtggataa acaaagcatt angaaatgga ctctcatntc tctcaaaaag 120  
 tatcaaagaa gtgaaattca tcagaccact gtgtcnagac aatgagacgc cnnatgccag 180  
 attccttant tgncatgatt gcttccttan cctccctag ttctgtttt cctgctcata 240  
 agttacattt cttccttgct atataatccc ctaatttcgg ctgggtgagg agatggnatc 300

caaactgatn tcccatatcc ttagctgtag catgcaatta aagccttctt ccttggc 357

<210> 381

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(329)

<223> n = A,T,C or G

<400> 381

atatgctgct	tggcaacnat	tatatcacac	atcacatacg	tctggatcaa	gtgttacttt	60
gcaaataattc	agctatggca	ttaaagatcc	tttcaagaac	ccttttgaat	ggcttctcta	120
ggtgacacag	caaattggatt	cctaagtatg	catccattct	cccgggtaaa	ccacgagtct	180
caaaaagtag	gcagcaggct	ggacccggtg	gcacacgcat	ggaatcccag	cgctttggga	240
ggccggggca	ggaagtgtgct	tgaggccagg	agtgcaaaac	caacatggcg	agactctgtc	300
tgtataagaa	ataaaataaa	ttatccagg				329

<210> 382

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(443)

<223> n = A,T,C or G

<400> 382

atgtggacaa	cgaacaaaga	caatagagca	gaagtgttgg	caacacttca	gtatgagcag	60
actggtggac	agtgagagat	tacagaagaa	cacagctctg	ggccagcagt	gctgctgtcg	120
aggtgatccc	agcaggcagt	gccacccacc	aggaatcata	aactgcacaa	ggccagaggt	180
gagtccttct	gtaaatacat	agccctagct	ccaagcattt	aattgtcaca	aaaacaacaa	240
aaaatactcc	tattaacagt	gcaattttctc	tttccaaggt	ctacatcgag	agaaagaata	300
ttaggatgct	aatattgcat	tgggtcattg	gagcttaatg	tttagaaata	ataaactaaa	360
ctgttttgtg	gtctgaccaa	aaaaaaaaag	gccagnngng	ccaattcagn	ttggacttaa	420
ccaggctgaa	cttgcttaaa	agg				443

<210> 383

<211> 460

<212> DNA

<213> Homo sapiens

<400> 383

gccttcatta	tctcacttca	caagaagtca	ggtgccaaagc	agatccaagc	tcattcagag	60
gctgcaccat	gtcaactggg	accaggttt	catccatgtt	tctgctctgt	cattatgtca	120
tactccaagg	gagtcgccag	atgactgctg	cagctgaggc	ttttctttca	cagcatctaa	180
cagaggctgg	ggagaggctc	catgaagcac	gtggtttctc	aataccagaa	gaaaattcaa	240
gccttttaac	atggcagtc	acagtggtag	gaggcggaag	gagactttgg	gtattcaaaa	300
atgggttatac	accttctact	tctttggctg	catgatactc	agagatacca	ttcatgtcta	360
tatctaaatg	acactcattt	ttttcctttc	taaaatggag	cacctggctc	caaagtctct	420
ggacatctgg	gtgatgcagt	ggtttcttca	tttatccctt			460

<210> 384

<211> 426

<212> DNA

<213> Homo sapiens

<400> 384

ttggttggat	ccatggatgt	gaaacctggg	gataggaaag	gcatactgta	tcccctgcct	60
tgtagcagct	cacaatataa	tggggaatgg	ttccctgcc	gcgaacatgc	tgtgtttcgt	120

```

tcaatcattc aaaacatttg agtgtccact gtgtgccaga cgtgctgggc cctctgctgt 180
gcacatcatc ctccttggtg tgatgctcct tcgaggctca gttcagatgc tactttctctg 240
cttggtcttt ccagactgca tgataccag gctgcctggc tgggtcttcc catgtattcc 300
acccttgacc tgtactggcc ctgttgccaa ctatttatca aattatgtga ttaatatctg 360
gggtattttct tacactggac ctcactcata agggcaggag ctctgtccccg ttcacacacg 420
atcctt
426

```

<210> 385

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(250)

<223> n = A,T,C or G

<400> 385

```

gtgggaggag gaagctcgcc aagcgcata accttcagac catggtggac acgctgcagg 60
aggcagcaca ggaggctgat gccatccagg aggagatgaa tgagaagatc gagcggctca 120
aggccgagct ggtggtgttt aaggggctta tgagtgacct catgacagac ctggacacaa 180
aaaaaaaaag gncnnngngg ncaattnagc ttggacttaa ccaggntgaa cttnttcaaa 240
aggggggggaa
250

```

<210> 386

<211> 165

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(165)

<223> n = A,T,C or G

<400> 386

```

ttgttgcgna nangacacca acatggnata cgaacccaac ggtggggaga agacnnanct 60
gntcagaann ccccaggagt aaaatgcagc ctgtattacc cttcctggag tgtatcctac 120
ttggagtctt cttgttctgg gaggcaataa atttctttgt tattt
165

```

<210> 387

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(397)

<223> n = A,T,C or G

<400> 387

```

ctcctgcgtt tctgcagagc tcctgcatta nntcaganct gcnatggnat ctggntctgan 60
tngtgtctct ccaaattcat atgttgaata cttaacctgc catgctgattg tnattggana 120
taattccttt agggaagcaa tgaagggtta atgaggctcat aggtgggagc ttaatccaat 180
gggactgggg tccctacaag aagaggaaga caccagagct ctctgtctcc acacacagag 240
aaaagaggct gtatgaggac acaagagaag gtaatagctg tctacaaacc aagaagagaa 300
gcctctccag aaaatgaacc ctgctggaac ttggtcttgg actttccagc ctccanaact 360
gggagaaaaa aaagttcaaa ataaagttct gttgtgtg
397

```

<210> 388

<211> 232

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(232)  
 <223> n = A,T,C or G

<400> 388  
 gcgtttccac actgtcttac tgtccggaaa gagcaaacac ggtggaaagg gacagaagag 60  
 ccagaattcc gtctagtttg atcactgatt tgctgggtga cctgggtgcat ttcacttcgc 120  
 ctcagtctct ttatctgttaa tatgagaatg cgcagatttg cctcctaagt gtgatgtgag 180  
 aattaggtga gagttggcag gcactaaana aaaaagcatg cattaatcct tt 232

<210> 389  
 <211> 167  
 <212> DNA  
 <213> Homo sapiens

<400> 389  
 gtaaggaaac atgaacctgg agagataaag tgacttctcc caagattaag tggctctctaa 60  
 aaggcagtg caggactcag acttctgact tgaaatcaga gtttcttttc atcatcacat 120  
 ccttcctttc taatctgttg ttaataaaac tcttggtttt ctaggtc 167

<210> 390  
 <211> 187  
 <212> DNA  
 <213> Homo sapiens

<400> 390  
 gtcaccagtg gctaagcaag acccacagga tgctgccaac aggtctgaag gcttggtaca 60  
 cagtagggag aaaacagaga aggtgaaagg aagatgggca aaaagaagag tgtaagaga 120  
 gaaagaagaa gtatttgaga tcctgccact gcactccagt ctgggcaaca gaacaagatg 180  
 ctgccag 187

<210> 391  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<400> 391  
 gtttaaggag gcacaaatcc aggtgttccc acattacca attactactc tgtagtttga 60  
 aaggaatgac aatgacatcc tgtttctggg catgggtaat ttagtataca ctgcacctgt 120  
 aaaactccag gccatcaaca ttccaggaag gctatgtaat caaagtgggtg acacttacta 180  
 ctgagaatta ttggtgactt ccagagtaca gcacaagccc tctctccacc tgactttcaa 240  
 ttacaacaga gggtcagaag agtccaataa aggcagaacc tg 282

<210> 392  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

<400> 392  
 caacatggag acaatgtttt cctgcattct tcattccaga agctgatgga ggaaaggccc 60  
 tatgagctgt gggctggctc tataggcccc actgtacttt aggggaattcc agtagcaaag 120  
 gaataaaatc attttagtca ctatgc 146

<210> 393  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<400> 393  
 tgtcaagggtc aagggtgttg acgtctttcg agtcacgagt aaccagttat attggctatt 60  
 tcagaatgct ttacagccaa aaagtccttg aacgaaggaa gaagtccact aagtctcatc 120  
 agcaagggtc cagctcctct tcactctgcat gttttgaaca ataaaaatga ctaccacttt 180

ctgagaacct 190

<210> 394

<211> 303

<212> DNA

<213> Homo sapiens

<400> 394

```
atggaaatca gcttccagtg tgaaccactc tatggacaga ctcaaattgga aaagaactga 60
tggagaccct cagctcacga ctggcaagga attgacatcc tcagttcaaa aacctgtgaa 120
gagctggatc ctgccaacaa ccacgtgact gagcttggaa gaaaatcctt cctcaaata 180
accttaagat acctgaaacc ccagtgggaat ccttgattgc ttaattgtaa gagactatga 240
gcaggaatat ccaacctaag tgaaaacaca ggaactgtaa gataataaat gtgtgtttta 300
agt 303
```

<210> 395

<211> 117

<212> DNA

<213> Homo sapiens

<400> 395

```
gtggctgtga tcttgaaggc aaagacttgg ctttatagca ccagcctat cagccatcag 60
tcaaaaaaat ggaccaagtg ttgagtcaat taacttttct taaattctct tgaccag 117
```

<210> 396

<211> 244

<212> DNA

<213> Homo sapiens

<400> 396

```
gcagagaaca catcatcccc ctggaacgtg agtcatttgt gaaatgcttg ttttaaattc 60
aaacttcttc acaacctgac gagtgtgtgg gagaccaag gaagctgaca tacaagggca 120
gatttatttt tctgccagaa ggaaccatca acacaaaggc caatggtaac ctaaaaaatg 180
gaaatgtgct aacccttttt attgtcaagc aaataaaaaa attattcttc aaaggaggag 240
aaac 244
```

<210> 397

<211> 168

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(168)

<223> n = A,T,C or G

<400> 397

```
taaanttgaa agtagctgat atgggaccac agaattattgg ccaatcagtg ttttacataa 60
tgtctgtgga gtggccatgt gctctagaag agtgagacaa ccttggcata accttcttta 120
agagccaatc acataacact gtgaatatatt ataaaaattt agaccatt 168
```

<210> 398

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(477)

<223> n = A,T,C or G

<400> 398

```
gcgtctgggg agctcctgcg attntgngga gctnctgcan naaggctnan tgnaanatnt 60
```



ntgctgnant	attngnnatc	nacantgacc	atctccaggt	ttctacattg	gaatccaact	120
tcacaagaat	ncacttgacc	cactatactg	gaggaaactt	ccctgcatgg	ctagcctggg	180
atgctgtggg	tcacaagccc	ctccctagaa	gttctcctga	gtatctaact	gcagtccttc	240
acactgnaac	ttcttccacg	ctgctgcttt	gtagtctctc	ttttaacctt	acacatcaag	300
aagtccttct	gagtatccct	gcaatgtang	atgaagcaat	ccactaccca	ctcctgcact	360
gctctgctca	gaaccagcac	cctccctcac	ccccactccc	atccatgcc	agaatgctgc	420
acttcttccc	cgtgagccag	ggtcagcccg	aggagagggg	cacaagcaca	gggcctc	477

<210> 399

<211> 261

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(261)

<223> n = A,T,C or G

<400> 399

atgaaatctc	agtacagacg	cacttttttg	ttaaatacac	tancaaggna	gttagtgtat	60
tttgcnnaga	aaatgcnana	tgnttggaat	atcttcaaca	ttctcanatg	tgggctctaa	120
atccaacaat	aattatcctt	ataagagaca	gaagaggcac	nnatacnaaa	gagaaggcca	180
cgtgaaggga	gtgtggccct	gctgacatct	tgatttcgga	ctttanccct	tnggaactta	240
nataaacctc	tgtaagctac	c				261

<210> 400

<211> 139

<212> DNA

<213> Homo sapiens

<400> 400

atgaggaaac	taaggctcag	aaagatgctt	tgcccaacat	cagctcatca	gtactgttaa	60
cttgatgttc	tactcttgga	agctttcatc	tggtagcacc	atgaaactga	agaataaata	120
caagtttagtg	catttatatt					139

<210> 401

<211> 415

<212> DNA

<213> Homo sapiens

<400> 401

actcatttgt	tctagattca	gatcattcaa	caaaacatgg	catgatttcc	acagtctctg	60
acattctgat	tgcatgtgctt	gagaaaattc	tcagtctggg	aatctcctta	aaatgcagca	120
cagatgatgg	ctgaatagga	acagctccgg	tctgcagctc	ccagcgagat	caacgcagaa	180
ggcggtgat	ttctgcattt	ccaactgaga	acaacgaaga	aaaaatttct	tttaaagaaa	240
ggccaaagaa	ttattataga	tcttttcttt	cgacattcct	aaacaagaac	aggcctagat	300
ggtgtcattt	tcaattcttg	tcctaactgg	tcagtgacca	aaacctctaa	aaattcacaa	360
agaagctcat	gaggaggtcc	gaggctgcca	aaaggcattt	ggtctctggc	ccaag	415

<210> 402

<211> 360

<212> DNA

<213> Homo sapiens

<400> 402

ttctcccaga	aagcctacat	gaatgagcca	ctttatcact	tctcttaacc	atggaagtaa	60
agtctaagag	atgaggaaat	aacacttctg	gaatgaagcc	atgcaatccc	tggaaaggaa	120
cttagcatca	actcgggcag	tgaccactg	tgaccctgtt	ggttggccat	accaacacct	180
gccgggcaaa	accccatgcc	tgaggacttc	tctgggcttt	gctactacca	aacctttaat	240
gccgggtcta	agatgaatga	aaatggtttt	ctatgaagac	cagtatataa	ggacagagca	300
agattcctca	tcttcaaata	tttattattt	ccttcttctg	gtattagcaa	atttggtctt	360

<210> 403  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(433)  
 <223> n = A,T,C or G

```

<400> 403
gacctgcctc ttctggacat ttcgtataaa tggaaatcgtg taatatgtgg cctttcgagc 60
tgggcttcct tcactcaacg tcatgtttcc aagatccatc cccattgaag ctgggtgctcg 120
agcctcactg ctttctgagg gtgggctgga cctgggtgact tgcttctacc tgatagaata 180
cagcaagagt gatgagatgt cacttccgag attagggttg acggatgggtg acttccagct 240
tgttagtctt ctctcgggct cttcttggtt gcttgctctg gtgaagccag ccaccatgtg 300
ggttcctggc atagagtttc taaaaccact ggaatttcct aagtaaaagg ggtgagagaa 360
gtgtcttttg ttactcataa taagccccct tcaaccatac ttgagtttat tctaanaggc 420
ctagttgacc tct                                     433
  
```

<210> 404  
 <211> 385  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(385)  
 <223> n = A,T,C or G

```

<400> 404
atcctgactg caagcttagt caactgtatt cctggcncct acgtaacaat ggcttgacac 60
taatatgctc aaatgcatgt caaaatgaat gaaagatctg cagcacacaa ggctatgcct 120
atgtactgga ccagaggcag aatataatg tagcagtttc caagagccta tcaaggacgt 180
cagggactcg ctgacacttc ttcccaaacc agcagncctg gaaccatgga tatccatcaa 240
gaaggggaaa ggtagcactt aaaaccccaa catTTaaatc ttaanagcac tgggaagtgg 300
gacagatncc ncccaccttt ttttcaaagg aacggaaggg cctaccttca gccaaaacaa 360
ngtaagggtt tttggtttgg aaaat                                     385
  
```

<210> 405  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

```

<400> 405
atctccagca ggtagaaaagg atttgtttct tgaccatgca aagtctgagt cagactgcca 60
ggtctcctag gctgctgccc tccatacggg gactcagcaa ttcagcctgc gtctgtctca 120
acacaaggct tccagaatct ccaccgtggc acagaatgag agctggggag tcctgcaagg 180
gctcttcatg gcctcagcct ggaagtgatt ctctcactc acactcagag cacattggcc 240
agaatgagtc ccaggccctc atctaactgc aagggggctg ggaaaagcag ttttcttggg 300
taactgggaa ggaaaggcga gtacacatgg atgagcgcta gaagtctcta ccatagcagc 360
tggacaaaaca acggtggagg agcattccag gcagaaggaa cggaaaagggt gaagac 416
  
```

<210> 406  
 <211> 256  
 <212> DNA  
 <213> Homo sapiens

```

<400> 406
ctagaatctt tacttatgta actgaaaatt caatgaaatg aattagagcc aatggacagt 60
gaagatcatt gttctcagag aagttcttca tgttatggat ccgtgactcc ttaatacatt 120
ttcctacttt tgaagaaatt gaactgaatt tattctatTT atataacagg aaagatgcca 180
aactgtggat ctgcttattc aaagtgactg aattttgtca ggctatttat caacaaataa 240
  
```

agtattttgta atttatg

256

<210> 407  
<211> 558  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (1)...(558)  
<223> n = A,T,C or G

<400> 407  
gtttcttggtg ttttantnnn caaaactgta ggaatataca naantntggg ttgngngtca 60  
nacatttttca aanggggcat ntnaaaaaat tcncgngngg acccccancn cncncagtn 120  
tntccccccc ccaaaggggc aanccacng taccceanac cnttggcact tttggtcttt 180  
tggaagtcc ccggtttacc ttcttgga gttttattcc tttggggatt ttncccagga 240  
anaacttacc cncggaattc tnaaaaaccg gtgccncttg aattgggtcc caccancatt 300  
ttttcattta agtagcccca aaacaacccc agaattaaat gggacccaaa tcttatgggtg 360  
ggggcattat acccncacc atnggatgaa ttacttcan ccntttaaag aagggaaatg 420  
gagggggccct tgctacattt cttttcaaca tnggatnggg attaaacnt tggaaaacct 480  
tggtatgctta agtnaaaaag aagggcaggt ccccaaaaaga cttcatttgg gatgaaagca 540  
ttnccagaac aagggccca 558

<210> 408  
<211> 419  
<212> DNA  
<213> Homo sapiens

<400> 408  
ctctactaga gaccataata atgcagtga ttttaattatt tcatagagat gaaataacta 60  
tcttcaggga tatagaaaat gtaccctcct catcctgaca aaattttgca gatctctgga 120  
gggctatata agaagaaatt tcagagaaac cctaaacaaa ctccacagct ctttgcaatg 180  
ccaggaagaa tttttaccat tatataaatg ttaggtttta tttaatcatt cacataatgc 240  
ctactgatgc attctcttgc atagcatgtg atgtgaaatt tgtgatttgc cactattgta 300  
ttaaaaaata agcattaatt acacactaaa attaagccat ttgaatcttg gaggaggcaa 360  
aagccaaaaga aaatgtgcag ctggtcagga agtaaatacca ggggtggagaa atttttgtc 419

<210> 409  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(447)  
<223> n = A,T,C or G

<400> 409  
actttgagct tcanancact gggatgctgc aaaagccctg ctcatataat cggaccggct 60  
agacatggaa cangcctgca gaacttttga gagtatgggt tggactattc ctgcactcag 120  
cgatacggga caagcacaga atgcaataat atttaagttt gttcaaaaag ccaaagtctt 180  
ttgcaaaata ctctttttta tttaatagga aatagagatt gcttatggaa gagtgggatg 240  
ggaacctgtg gaaagacatc ttaaatccaa cccctggcag tctgacatan ggctgntgnc 300  
aaatccccat agncacactc ccaatcacia tgcttcttag atccccctaac ccaccgcanc 360  
ctaaggccta caaagacagc tcaatggctg ggcncggngg nttacgcctg taatcccaca 420  
ctttgggaag gccnaggcgg gccggat 447

<210> 410  
<211> 167  
<212> DNA  
<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(167)
<223> n = A,T,C or G

<400> 410
agtctgggac tcctgcatta agtnatanct gatacggncg gacangtagg gatcgtctat 60
tgnatgtgaa accagagatg cccgcccaacc tgggaatagag aggaagagag caggcagatt 120
tgnacctatc tgctttcaag ctgggtcatca tgatgaaaact tagacac 167

<210> 411
<211> 255
<212> DNA
<213> Homo sapiens

<400> 411
ggttgcagaa aaggaagaag aatcagcaga gagcatttgt ggccagcaaa gcttaaaata 60
tttcctaacc gatcctttgc aagaaaagtt caccactcc tgtagtcagc agctccccta 120
ctgtgcgcag tcagtgtgcc atctcagact agcaaagatt tgtgcttgga tcatctacac 180
ttccttgaat gctgaagaag atatgtatc catgcaatcc ttgtcgactg cttgattaaa 240
aagtggataa actgt 255

<210> 412
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(111)
<223> n = A,T,C or G

<400> 412
angtacagta caaaatgatc tacaactatt gagtggacca actgaaatca tttgtcaatc 60
ctctttgcaa atgaacttgt gcaatgtatt aaaacatttt taaaagttca t 111

<210> 413
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(561)
<223> n = A,T,C or G

<400> 413
ganntgntnt tgcattacct canaagctag tcacaggaga acaatgattt gctctggcaa 60
ggcgaagaca gtaccaagtc attgcntnat ctncactcac attcngagtt cctgagcagc 120
tgctctggag gtggattaaa ataaccatc atttcagttt ttataaccca ttcagcattt 180
aggaataaca tggatggttg aaccatgga tacagagggc caactgcaca tacnatgaat 240
gcttgaagtg cactgatctt cagtgaacag ctcaactgact ctttacaggt ctcaaactcg 300
tgagctcaag cgatccgcca cctcagactc caaagtgctg aaattatagg catgagccac 360
catgcctggg cagcattggg gagtttcaag aactattcca gcaaaggagg ggaacttcac 420
caccgctgca tgtctacctt ggaaagtcan gcagcattgc ttctgctggg ttctctttgn 480
tacaaatatt gaaaatttgc tacctgcacc tgctgtgttc ccaccctctg gagacctggg 540
aacctggctg cacctgggaa g 561

<210> 414
<211> 569
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (1)...(569)  
 <223> n = A,T,C or G

<400> 414  
 atgaggaact gaggcataagt agtaaaacaa cacacctgat gtcacccagc ttcgcggaca 60  
 gtgggagagc cagcgccccc cagctccagt caggtctcac tccctgcaac acgagcaaat 120  
 ggacatggcc atgggggcca ggactggggg gcctgccgag gagctggagc catgggggtcc 180  
 ccagaagtag aggcctagag gcagcaccgg taccactgc acctcagggc tgctcggtaga 240  
 ccgctctcag ggcagccctg ggctgttctc aagatcaact tcaccctcag gagactaagt 300  
 tatgcccagc tgaggatgtt cacaaggaca cactgcaggc cctagaggca atacccttg 360  
 agaggtcca ggcacacgga ggacgtggcg gccggtgagc aatccaaggc cctggggccca 420  
 aggtggactg gggtttgccc ttccacctgg gacattccaa gttcacgttt tctcangtct 480  
 catttaacaa ggaaaaata gtacacacaa gcactcacgt ccacaaacaa cttcttttct 540  
 tcctnaaaaa nggaaaacca cctggggcca 569

<210> 415  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(433)  
 <223> n = A,T,C or G

<400> 415  
 cctatctgtg nngtgtgntn natgcactgg ggccaancac ttnttcggat gctgntacaa 60  
 caataatgaa gttaccatat tgctccagac aagagatgct catggcctca tggcctgaat 120  
 taagcagttg caactgaaat antaaaaagt ggccatgggt gagatacatt ttaaagatcg 180  
 aatctacaga atataacana ggattaggtg ctgtangaaa tgagaaaaga ctgatggcca 240  
 gttttggatt cagcagtggc tataatcatt gtgctacttc ttggggggaag attggtagag 300  
 atatgggata ggaggggaaaa tcaaagaagt tnccatttta aaccccggtta aagtttgaga 360  
 caccaataag atatacaagt tccaaaggtc aattaccagt tttggatatg tgaattcaaa 420  
 aaagtatgag ctg 433

<210> 416  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 416  
 atttttgttc agattgaacc caagaggact cgtgactcat ggctcaactg gtcctatggc 60  
 tccacccaac agcaagttct gcacaccctt atgattgctt ccccaacgaa tcagcagcag 120  
 ttattcccta gcccctgcc catcaaattg tccagaaaaa ccctaagccc caagccttca 180  
 gggagactga tttgagtagt aactccatct cccgcatggc atagctggac ttggattaat 240  
 taaactcttt ctttattgtc gtgcc 265

<210> 417  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(501)  
 <223> n = A,T,C or G

<400> 417  
 gtaangctga tctgnngatg nttgtggcng ntgttnnacc ctantgcacn ctgatttgtg 60  
 cctcctcctt gtccccacgt caagagagag cagcgggacg agtggaccct tnggaatcct 120  
 acctggggct tcccttccag gtggaaggga agtaggagcc aagatgcana ctccctgacc 180

```

gcaggcgctg ggccagccac aatgccatct tgcccctacc ctggtttatg attgtttttc 240
acctttgggc ccttggccag agaattccct ctgcctccaa tgtacgccat cccctccttt 300
cctttctgcc tgggacactc ctgcctatgt gcatgggcca ggtctggcct gctgccatta 360
ctatgtggcc atgagctaag aatgggttta tgtttttaaa tggctggaaa aaacatcaaa 420
ggaagaattc tattttgggc atgtgaaaat tatctgaaat tcaaatatca agtatccaca 480
aataaaatta aattggaaca t

```

```

<210> 418
<211> 324
<212> DNA
<213> Homo sapiens

```

```

<400> 418
tctccatgtg gtctgacatc tccagcaaga tttggcacac tgtggatgga gcaaacctgc 60
ctctggaatc aaatcattat gccgaggcat ccaggctgag ggtaaccag gatgaaatgt 120
ttcccaagat cactgggacc ttctaccca catgaggtca tcaactgaga ctggctttct 180
ccagaccaga cttggagggt gatgctatct tcacaagtgt gcaaaaagtca ataagagttt 240
tgtgtaactt tgctcaggat actttgaaaa attgtttaat tttttatttc tggttatgca 300
tattttcaac tattaaaacc atgc

```

```

<210> 419
<211> 433
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

```

```

<400> 419
agtctgggag ctctctgctna gactnctgca ttaagtcnaa ctgangttga gaaggattgc 60
agcaatgcaa tgggcacacc agcaggctct tgaaggcact gccatactgc acagcttcca 120
caggcctgga gcctgaatcc tctgagacac atcgtccctg aaattgaaag attggcactt 180
cacccacacc tgagacggga aacatcatct ctctctagga ggacctgtgt gaccccgctt 240
gcatgaaagg tttgctcact cggctctgcag tggcaggccc acactcggca ttccccggag 300
tcctccagtg cctgcgtgca ctttctcttc ttggttggag gcaatgaggc tctaaaatca 360
aagacaccaa aacgaaggnt aggattcttc cttngtcca tgntatgtta aataaaaatt 420
aatcttccaa gcc

```

```

<210> 420
<211> 449
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G

```

```

<400> 420
tngetgnegn tgccanngan gctctatgga atgnngnccct gccngtgtca nccccnagtt 60
ccaacctcca aagcacggnt ggagagcagn ggngcaatct cggctcaatg caacctccgt 120
ctctccctgg ttcaagtgat tctcctgcct cagcctnccg agaagctggg ntaacagcgc 180
ccccntttta cagatgatac cattgaggct natcanttaa atnnccctggc naaggccaca 240
ctgtggaact gggattccaa tcaggtctaa ctccaatgca atactccttc cattatactt 300
tctttaacct gccatactaa catagcacat agcctgcgac agtttaaaaa aaaaaatcct 360
ggccccctta aaataagtga ttcattattt ttttaaatta taaactgcta ctgccaaata 420
gaaaagtaaa gtcgtttcat taaaaatgg

```

```

<210> 421
<211> 308
<212> DNA

```

<213> Homo sapiens

<400> 421

```
atattgaact gaaaccacca ttgagtcaat tcctgtggag cctctgcctg aaaatgagat 60
aaaagtcaag atgttgaaaa cgaaatttta aagggccttg tcgaagtcac cggcagtgaa 120
gaatgagatg ttaaaatcag atgtgatatg catggggaca ggagccattc aaaggccggt 180
ttcatcactg aacagctaga cctccgttct ggttggccaa cctcaggagc tgatggatac 240
aggttggaac caagcccagg ggtcctccgg aagaatctaa aacaggcaaa ataaaatgtc 300
ttccaaac 308
```

<210> 422

<211> 327

<212> DNA

<213> Homo sapiens

<400> 422

```
tcttccctat aggataatgg gagtttaaag atgatcagaa gacagttggg agcagagtga 60
gaataagaac cctcaactgc tgtctcacct ttcagatcac gaagaaagt ttttacaatg 120
agcagaacac tcaacctgaa agcagaatgg attgagtcac tgcagccgtg gcagtggaat 180
gggtgtttgat gttggcaaag gaaacatgta cttctagact ggacagtttt cccttagttt 240
acagttttcca aatagagaca tcactttgaa ataacatgga gaacatacat ggatgtactg 300
aacgaagaat aaagtctgtg ttgcaag 327
```

<210> 423

<211> 284

<212> DNA

<213> Homo sapiens

<400> 423

```
cagaggaaga ggagcgactg aagaagaaag aggggtggagg tgaagatgtg gagctcatat 60
tgaatctttg gaaaagtga aatggccttt agtatccagt aagaagagta aatagaagaa 120
ttttagccac aaatggaaaa gaaaacgtct cttcctcagc tcaaagagac aagctcttgt 180
cagttcctgt aaaatttaat gctggtgggc ctggaagcac atttctcaga caccctagca 240
aataggaatg accaagtaat attattttgc caataaaaat atgc 284
```

<210> 424

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(464)

<223> n = A,T,C or G

<400> 424

```
gtatattacg ttcttatatg aatgacagac nanacatgga atttgaagga aaggaagatg 60
accgttaagg tggtanggcc tttganccca agctaagcca tcatatcccc tgtgatcttg 120
cacctacaca tncagaatgg cctgaagtaa ggtgaagatc cacanaagaa gtgaaaatag 180
ccttanctga tggcattcca ccattgtgat ttgcttctgc ctcaccctaa ctgatcaatg 240
tactttgaaa tctcccgcac ccttaagaag gttctttgtn attctcccca cccttgagaa 300
tgtactttgt gagatccacc ctctgcccgc aaaacattgc tcttaactcc accgcctatc 360
ccaaaaacta taagagctaa tgataatccc caccctttgc tgactccttt ttcggactca 420
gcccacctgc acccgggtga aataaacagc cttgctggtc acac 464
```

<210> 425

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(317)

<223> n = A,T,C or G

<400> 425

```
ggctcttttct cacttggatg ggtcccanaa aggcaactng catgttacca aatgncctng 60
naaaaaganc nngtaaggag gancggagga aggcnttttaa ttgacagcct tcgaggaact 120
gaatcctgtt ggtgaccatg tgagggagct tggactccgg tccccctgtg ttgagccttc 180
agatgaattg gcagncccca gcttggtggc atgactgtaa cgtcctgaaa caccttcagc 240
ccagaaagca ttcagctaaa ccacacctgt atttctgacc caaagaaatt gtgagataat 300
aaacatttct tctctcg 317
```

<210> 426

<211> 259

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(259)

<223> n = A,T,C or G

<400> 426

```
agaaagagaa aatactccaa atcagaagnt aatggccncc nngctttcnn nnngcnttnn 60
cnnntnanna tngaaccacc ntcttaaant tntgggagga taaagcatca ggtaaaaagc 120
tcacctggat ttgctgtcct gagcagaaag acagaagagg cctgggaccc aactagcatc 180
atactactgc ttcacagcc tagatgactg cctaccttcc tatctttctt acaagacaaa 240
ataaactccg tattttggtt 259
```

<210> 427

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(403)

<223> n = A,T,C or G

<400> 427

```
ggaattgaac agcttggact tggagaccgg tgnngggttaa accnnaatta gnagggcggn 60
ngaaaaggac tnccanatng aattgtgttg gntattcata tccccagca cctcaaaatg 120
tggccatgga ggatggagac agagattgga gtgatgcac ttcaagccta ggaacactaa 180
ggattgctgg taatcaccag aagctggaag angcaagaaa gtgtccttc tagagccttc 240
agagagagcg cagccctgcc aacaccttga ttatatgctt caagcttcta gaattgtgag 300
agaataaatt tctgttgta taagccnaaa aaaaaaaagg cngncggggg ccnttnagnt 360
gggactnanc caggcngaac ttnttcaaaa gggggggggg ccc 403
```

<210> 428

<211> 376

<212> DNA

<213> Homo sapiens

<400> 428

```
gggttcagaa aatgctaccc caaagtactt tgaactgaag gtgattggga gggcctaaga 60
agcaagaagg tcaactctgag ttcctcctgc ctttcaatgt gagacctgcc aaaaggggaat 120
tctctgtcct acctcaactg aaagtagctt gtaagaactt catctcaaa ggttactgca 180
ttatactctg aggccaagaa aagtcaacgc agaggccttc ctgggtccct ctcccccaat 240
ttgttaccat acccttttgt cccatcatac ttctacatga ttttactgaa tctaagcaca 300
aaaataactca gttgtcccct ggggtgttggg cctcatttct aatgggtttc gttccccata 360
aaactttggt taatgc 376
```

<210> 429

<211> 394

<212> DNA



<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(394)

<223> n = A,T,C or G

<400> 429

gcttcgcatg	tnttanaggt	cctacacnca	nattcaccta	ctncanggga	ttcaagtccg	60
tcttatgttc	tgntaatgac	aactcttntt	gaagttcttc	anggccgtgt	gaaaangaaa	120
agccngccgg	gcacagtggc	tcacgcctgt	aatcccagca	ctttgggagg	ctgaggcggc	180
ggatcacctg	atgtcangag	tgcgagacca	gcctggccaa	tgtgtctgta	ctaaaaatac	240
aaaaatcagc	cgggcgtggg	ggcgcatgcc	tgnaatccca	gctactcacg	ancctgangc	300
aggaggatng	nttgaacctg	ggaggcggan	cttgcatgta	gcntgggtca	cactactgca	360
ccccagcctg	agagaaagag	caagacttcc	gtct			394

<210> 430

<211> 343

<212> DNA

<213> Homo sapiens

<400> 430

atggaacccc	cggcatctgc	tcctagtaga	ggccagtctg	ggcctgacct	ggcattccac	60
cctgcagata	gcgagaactg	ctgcagcagc	cgccctagac	cattctgcag	ttctgatgca	120
cagcatgatg	gaagcatatt	gcagaagatt	attctggctt	ttgtagatag	tggattaaat	180
tgggacagtg	taagaatggg	aattcagata	gccccatgat	ggacttcaaa	atatcaccct	240
ctaaaatttg	actcaaattt	catgttcaga	tgcccgtttt	ccccactgca	agagggaatcc	300
aactttcatc	agatccttgc	atcaattaaa	ctttccttac	tgc		343

<210> 431

<211> 373

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(373)

<223> n = A,T,C or G

<400> 431

ctcctgctta	agtcgaactg	aggggnntca	aatagcnata	nnntccctng	nnacnggcng	60
ccacntccaa	anggccgggt	cnngccttan	tgatgncatt	tccccaaaan	aagnгааant	120
ggcctgttcc	tgcccttactg	atgacatggn	cttgngaaat	tcctttctct	ggctcactct	180
ggctcaaaaag	ctcccctact	gagcaccctg	tgacccccac	tctgcccgcc	agagaacaac	240
ccccctttga	ctgtaatttt	cctttaccta	cccgaatcct	ataaaacggg	cccaccccta	300
tctccctttg	ctgactctct	tttcggactc	agccacactg	cattcagggtg	aaataaacag	360
ctttattgct	cac					373

<210> 432

<211> 386

<212> DNA

<213> Homo sapiens

<400> 432

gtaaaattga	cttgaagtcc	actcagcgtc	actgtatgtc	taaaaataaa	gaagcttgga	60
aagcctggat	ggaaccctga	gagacaggct	agtccctcaa	gcagttgcta	aagagttgag	120
cggtttcttc	tgaagttcaa	gataacacta	ccgaagaatg	ttatcaccgc	ctcgttctac	180
aattcgctca	agtgaatcct	gctaaatctt	tgctcttctc	acgagtcaga	cctactgcta	240
ttagtggaaa	ctacttatga	aatgaatttt	atttctaaat	ttctaatacat	cttgcaatgc	300
aatattaggc	attgtcctct	cggtcgcgta	acctgatcaa	actgggggtcc	ctaaatccaa	360
acacgcacat	acagcgtgtc	ttctaa				386

<210> 433

```

<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (267)
<223> n = A,T,C or G

<400> 433
gaaattattg taactctgga attttagaag gtgactgcnt gacaattctg agaggccaat 60
gccaatgaga gaaaagttaa ctgctactca tgatggcgcc cctggaagca gaagacacag 120
cacgctatag agggccatgt gggaaagcac tggagtagct ccaggccggg cttgccagtc 180
tctctgcact ctggaaggag tttgcctggg ttgggggttg ccttgatanat tccaaacctt 240
cattttgtca atttacttaa aggtgac 267

<210> 434
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (243)
<223> n = A,T,C or G

<400> 434
ataagggcct cgctctgtta cccaggctgg agtgctgtgg tgtgtttgtg actcaccgta 60
gccttgnact cctgggctca agcaatcctc ccacctaagc ctctggagta gctgggacta 120
caggtgagca ccgccaagcc tgacctcaag ttgaaatgtg atcaccaatg ttggagtggg 180
gcttaatggg tggtgnttan gctnngnatg aaaccattgn cacnaancca atggggatgg 240
tct 243

<210> 435
<211> 307
<212> DNA
<213> Homo sapiens

<400> 435
agctctagtg ccaaatgatg aatcttttct attaactgac ccagtcttca aaaaagaatt 60
gctagcctga gaaatgtgga atgcctggct tctctgacta gtgttgacac agttgtttcc 120
agcgtgaaca tacctgtaca agtgaagcca tcacctgtgt atccttcctt gcacagacag 180
cggtaagaa aaaaacctgc aacttggatc caatataaac gatgacaaat ttcaaagaag 240
tggaagctaa attaatgaaa aatgttatgc aaaatgtttt ataatatagt taaaatgtat 300
gagtttt 307

<210> 436
<211> 332
<212> DNA
<213> Homo sapiens

<400> 436
gtgacggagt gagagaaaag tcagaacctt ctgctcacc aggataaatc atagtactaa 60
tgattgcagt ggagcaaact tatctgaata ccagacagca agaaagttcc tcttctggga 120
gaagagttac caccaaccaa gacaacaaca ctgagaagac tgatttttga acgattttcc 180
aacactcacg tctcaattcc tcttttctaa aagtcaacaa aatcctggag catatcgcca 240
gttttcctta caattgatgt acatgtttgc tactaatttc tatggactcc cttaagtcct 300
ataaattgtc taccaaatct tcaaaaaaag cc 332

<210> 437
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<400> 437
gtggcagttg ctggagtacc agggcaccaa gtggaggatg tggtagacag cctctaagat 60
gcgccccctg ccaatgatct ctgcctccag ggaggagcta gaaggcagag agaaagccac 120
tcaggacttc ccatcccaga agataaaggt gaggaagca gcagcagcag ccacaggcca 180
gtattccaga gcagctttgg gttcctgtca agacctgctt tgagaaggag gtggctgtgg 240
ggctggaggg ctgggcctgt tcctgagctg gctgctggca ccacagcaat gaggcaacat 300
tgagaactgc gacacgaggc ccagtcctgc tactaaacca actgtgtgga cttgcatagt 360
cacttcaccc ctcgggcctc catttctcca ct 392

```

```

<210> 438
<211> 351
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

```

```

<400> 438
ngangggntc ttgctatggt gtnnatgcng gtnncacnct cctgggnetga nntgannctc 60
ccaccnaatg ctacanaagn gctggngtta cttacctaaa cctacaatgn gaagagaatn 120
tgacactatg atnccanctg gaaaaccacc ancacccaac atgcgngctn ccaatctctc 180
gaatcgtcac tgtgcctccg aacaccactt agttccctca aatatgtcct tctaacaagc 240
aggcgtgctt tcgtgtattt agaacaaatc ttaaagtgtac acatgcatcc aaatcttaaa 300
attcagaata aagaaaagca gagaaggaca gaagaaagac taatgctacc g 351

```

```

<210> 439
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 439
ctatgcatgg aangagtgaag gaggatgctg ntggcagaga actcatcggc agcagccccc 60
anaggataat gtacaaggca cgttntgtnc agggagtctg ccngcctggc caagagcacc 120
cccaaaagca cttggaatga gccagctac nccaagggtn ggagatntgc caatatcatg 180
gagggagaaa tacacatcta gnntatgacc cagcatncca naggcctgca ggctaaccgc 240
cctncctgga agaaaacaga aagtagaggg cctgtcactg ctggagatac ccacgatgga 300
gacaatgctt cagcagtgaag cccaggtgtc gccatgcaat ggcagagag ctctgccttt 360
gtccatcgac atggaagtga aataaaaaga aaactt 396

```

```

<210> 440
<211> 350
<212> DNA
<213> Homo sapiens

```

```

<400> 440
gaaccaagag aagcttctca agggtcagat tattccagct acctcttgga tgcccccgag 60
gcctctctac aaactgagtg ctgactgtga ccctccatga tggggaagaa aggatcatac 120
cctttccacc cttacacttt ctaggcaaaa tacacagtaa tcatcaagga atttggttag 180
gccctcatct gactggttcc ctatttctgt gatcccatat ctgattcttt ctctgtttat 240
tcccctattt tggaagacca catcctttct aaacacgtgt gcatcagaag ggaagtgttt 300
tctacattct gcatcctaaa aataaatgtc tctattctac catgtgactg 350

```

```

<210> 441
<211> 374
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (1)...(374)  
 <223> n = A,T,C or G

<400> 441  
 cntgcanagg gggcttncnt tattccttct tcccgaaga aggaggaaag aaggganancn 60  
 cccacgaaag naaaacgcct tggngccna ncccccaatt tncttacttt catggggang 120  
 gggaaaatgc ccaanggatg cttntaaaaa tcaccaccgg nctttaaacc attgccccaa 180  
 aaccgggtaa gttttgnggt gttgggcttg ggtccacttg tccctctggn caacctaaca 240  
 agggagggna agaaaccaag ggcttaccna aanggatgtt tctttcctga ggggaaacca 300  
 ctctataga ctctctnga antccaggaa ggaagtgggn aaaacccatc ttcnnttaat 360  
 cacatTTTTg ggat 374

<210> 442  
 <211> 153  
 <212> DNA  
 <213> Homo sapiens

<400> 442  
 gtgaggcagc catattgtga ccatgaggga aagaccatga gaactgaagg gaaatggact 60  
 cagaaccagc atattgtaag gtcctggag aaacctgga aacatctact tctcaacgtt 120  
 ttcgctgtg agctaataaa acaccctatg gtt 153

<210> 443  
 <211> 77  
 <212> DNA  
 <213> Homo sapiens

<400> 443  
 aaattccaaa gaacatggaa aggagaccac aggaagaatc cagaactgct gcccatcata 60  
 aaatttttcc atctgcg 77

<210> 444  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<400> 444  
 tttcttggca cgctggctga agacatgttg cccacaagct gagggaggtc cttaccctgt 60  
 gacgccaaag tccgggaggc tgcagtggcg gcagctgagt ctgcagggtg agagggtcag 120  
 ggactgtttt gcctccacct ccttcaatac ctacttttct tccagcaac agtcccttcc 180  
 cttacgctcc cgaatccacc ctggccctga ggctgcacct gagtaccaca tctgacccc 240  
 acttgtttgc aagacgtctg catgtccaca agtgcagcgt tcatctcatc tcaacaagcg 300  
 atccctccgg agcagacggg tgatccctac cacttctga acactcctac tcatcatctc 360  
 ggtaacaccc tctacctgtt ccatacctag gccagagggt ttcaccccg ggcacacgtca 420  
 gtaccactta 430

<210> 445  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 445  
 aagaggaatc aattctggac cagaggatgt ctccctgcct ttgccctgcc tgcctcccc 60  
 cacatccttc tctggcaagg ggaatgaggc tgagaatgac ctccatcctc aggacgaggt 120  
 attaaatatt cagcccatgc cagagtgagg atctcctttt cacttctgt ctgaattgtg 180  
 ccttgaatct gtttcgcgat ggggtgcgaac tgggtgagac acttgcttta gaaccgcagc 240  
 cctggcaact ccacgccgcc tgacctcgag cgggtttcca tagcctgaat ccttcctctc 300  
 atttgcaaac aactttctta gtaaatgatg acaaagc 337

<210> 446  
 <211> 266

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 446
gttcctcttg ttttctnnnn agcaccngct taagtcagac tgacccgaat gttcctcaca 60
anaggcctac aatgagctat tgcagtcacc agatgggact catgaatgca gcagggtgggg 120
cagatggcaa ggcgccctgt ctgatgctgn ctgcctgggc atggactgcc ttttccttcc 180
agaccttttc ctggatatgg ccaagtctga agtttcaaaa tacatgttat tctgaaccta 240
ataaagaaaa catatatcca accttt 266

<210> 447
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 447
gggcattcag ataaagccat catatcccct gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tgttcctgcc 120
ttaactgatg acatgggtctt gtgaaattcc ttctcctggc tctcctggct caaaagctcc 180
cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttcctt tacctaccgc aatcctataa aacggcccca cccctatctc ctttgctga 300
ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagcttt attgctcaca 360
caaaaaaaaa aaggncnnng nggccaatn agnttggact taaccaggcn gaacttgntc 420
aaaagggggg gggactacc ccc 443

<210> 448
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(514)
<223> n = A,T,C or G

<400> 448
aaagaacatt acatggcatt tcctactgaa gatgggactt agcacaaaaa ccgtcatggg 60
ttccaccaa gagatcatta atgtctcaa acgtctccaa ggatacatga tctacaaagg 120
accacagagt gccctgcaga attgggttga aaaactaaag aaggcaaaaca gaggttatgg 180
taaggcggca gtctctggtc cccgttgtga gattgggttc ttctgcctg ttctggagt 240
ggcatggaga aaagagcatg gatttgcaga agagacactt gagagagagc tgactgtgat 300
ggatgatgtc acagggaccc ttgaagacat gagttaaaga tcgtagaagc atgacaagtt 360
ggatacctga atgactgtgt ggatctgagt ttcccagtgc cctgcagtac atgatcacat 420
tgtttatgag actgactatg tctgagccan aattgattgc atctatttga tgctgcaact 480
taacctgtgc ttaacactat ctctggggaa aaaa 514

<210> 449
<211> 239
<212> DNA
<213> Homo sapiens

<400> 449
gacatcttca ctgcttccat cccgagaact tcagaatcca atgatccaga ccagcccagt 60

```

gcaatcaaca	gtgagccaaa	tcaaaaagca	gcctacattc	tacctgataa	tctacacaca	120
ggctgggatac	tgctgggttc	tactaggtga	attgaattgc	tccatgccag	tggaataattt	180
tttcacatca	gtttttccta	gtagatgttt	aaaaaattac	aaagaatttt	ccaatcgac	239

<210> 450

<211> 503

<212> DNA

<213> Homo sapiens

<400> 450

acttctatca	aaagacataa	aggcagaacc	gtgggatcag	caccacacac	agctgctttc	60
ttcgaacatc	tgaattatga	cttcctgttc	ctgggatgat	gctggggaca	gccaaaaagt	120
tttagagcca	gattccttat	ccaatgggca	aggaaggggt	ggcctgttga	aacatcctga	180
aatacatcaa	cccaaaatac	gaccaacaaa	aatgtggctt	ccaaaaataa	ctccgccagg	240
cgggtctgtg	tgccggctgg	gaggaaagag	aggtgggaca	gaaccagctt	ggaccttccc	300
ccatcccagg	agtggccatc	ataccagcgt	cagtgatccc	agcctcatac	ctttgccttg	360
agactctgca	ttctgttgct	tgttgatggg	cactttgttc	atataaatgt	actcctcatc	420
agagcctgca	gaaggaagga	gacacaggct	ttgtgtgact	tcctgaagag	aaagggcctc	480
cactaaaaac	cctgttactc	caa				503

<210> 451

<211> 215

<212> DNA

<213> Homo sapiens

<400> 451

cacttttaaag	atgttgtcat	ccaaaaagcc	ggcatgggtgg	tgcatgcctg	tcatacactac	60
tactcgggaa	actgaggcac	aatcgcttga	gccctggagt	tccaagccgt	agtgggcaat	120
gattgtgcct	aagaatagcc	actgtgctcc	agcctggaaa	acatagcaag	acaaaaaaag	180
aaagagaaaag	aaagaaaaaa	aagaaagaaa	gaaag			215

<210> 452

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (418)

<223> n = A,T,C or G

<400> 452

gaaccccgaga	ttctttctcca	tggtcggaat	cattgcaaaa	taactgggttt	ccctaggatc	60
accagctgtc	atggactgat	ttgtgtctct	ccaaattcat	atgttgaata	cttaacctgc	120
cntgccaat	gntaatggga	gataattcct	ttaggggaagc	aatgaagggt	aaatgaggcn	180
ttngtgggag	cttaatccaa	tggtactggg	gtccctncca	gaagaggaag	acaccagagc	240
tctctgtctc	cacacacaga	gaaaagaggc	tgtatgagga	cacaagagaa	ggtaatatagct	300
gtctacaaac	caagaagaga	agcctctcca	gaaaatgaac	cctgctggaa	cttgggtcttg	360
gactttccag	cctccanaac	tggtgagaaa	taaagttcaa	aataaaagtc	tggtgtgt	418

<210> 453

<211> 196

<212> DNA

<213> Homo sapiens

<400> 453

gacttttgtc	tcctgtgatc	cactaagata	tcattgtgctg	agtaactgct	ggttcaaaga	60
aaaagtggat	tcattgtggag	cagacttgaa	cccagactca	actttacagc	caactacagc	120
caacccgcag	cttggaaagg	aggcaggcaa	gctagtccgt	ggacccataa	gtgataaaaa	180
caaattgcttt	cattat					196

<210> 454

<211> 137

```

<212> DNA
<213> Homo sapiens

<400> 454
gttatgtaaa gaggtgcctg cttctccttc accttccacc atgatcatca gcttcctgag 60
gcctccccag aagccactat gcttctctgca cagcctgtgg aactgtgagc cagttaaacc 120
tttgttcttt attaatt                                     137

<210> 455
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 455
ctcagccgaa tcgtcacttc ctctggggac cctgtcctga ccccatgac cgtggctgcc 60
tgtggaagggt gctggtaaac atcctgttct tccccctcct ggcgctttcc gtgcctgtgg 120
ctcttcccca gtctggagta cagtagggtg ttcttggtc actgaaacct ctacctcctg 180
ggtttaagca attctcctgc ctcagccaca tggagtattg ctctgtggcc caggctggag 240
tacaatggcg cgatcttggg tccacagtaac ttccgcctcc tgggttcaag tgattctcct 300
gcctcagctt cccaattctg gaggctggaa gtccacgatc aaggngccaa gcatggtcag 360
tttcttgncc tngcttcata aggccgcccc aattttgcca tcttcacaaa naanaagggg 420
tactcacgtg                                     430

<210> 456
<211> 211
<212> DNA
<213> Homo sapiens

<400> 456
ttgagccttc aaccctgtga cactataaat aaactgctcc tggagctgcg gaaattgccc 60
attatctcca agagcatgtt ctgataagag tccatcaaca tgaagccaaa actcattcag 120
agcatcaaga gaggaagtt tctagtgatg gtttgggtcat ggtctctttc aggatgattg 180
catggcagag gaaggaataa aactgtgaaa g
                                     211

<210> 457
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

<400> 457
agtctcttcc acagtgtgta gcatgagtgg agcttgctaa atcattgcta aatgaagcaa 60
tgggctgtaa gcatgtcctg tgggatctgc atcttcagat catcctgaag tactcaacaa 120
ccacatcttc ttccaggaac agagcccaac ataaactggg agggtttgct gtcttagaca 180
gctaagagaa cgaggagtgg agctagtgaa caagcagtga agggggcagt tccttaatgc 240
cacccgaaact gaatttcaac agtctgacaa gctagcgttt tgggtaaata tcccagtata 300
cttgtcacag agttaagtaa aatggacttc cttcaaagga agtgctttta atacaataac 360
tgnntttggg ttttttancc atgggattaa aaatttacac atttactaaa tctggcatat 420
ttat                                     424

<210> 458
<211> 190
<212> DNA
<213> Homo sapiens

```

```

<400> 458
gcaactaaga caatcatggg gatcacactg tgttccttcc agaaatccag aaagcctcag 60
ccaagctggg actggcaaag acaatgataa ttctcgtgag aaaggtaatc ttgggtgtgg 120
gaagaggggt tgcattggaat cagaagaatg ggcaaagggt cctctgcaag atattggaaa 180
gaagacgaag                                     190

```

```

<210> 459
<211> 370
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

```

```

<400> 459
tgcctgagaa taaccnnaac gtgctggagt acatcatggt ctgggtagat nacgggggac 60
taaccagaac agactgactc tgtccgaatc acccctggag acaggaaatt cttcaacact 120
ttagcccggg angtcatgct ctccagggtg taaaacccaa ggccagcttc gggcacttga 180
agacaaggac tccatccacc caggcaactt tcccagagcct catgggagca actcctcatg 240
aatcccaggc ttctgttgct tttgctgcct atctataaga aataaatcca cttcatttaa 300
cctgcaaaaa aaaaaaggcc cgngnggccg attcagcttg gacttaacca ggcttgaact 360
ttgggttaaaa                                     370

```

```

<210> 460
<211> 161
<212> DNA
<213> Homo sapiens

```

```

<400> 460
cccacattgt gaggaagatt ttacaacctt ccctttacag atgagaaggc taagcaagag 60
aggttacata atgctcctga agttccacgg ctgttacttc acactctatt gcttcttaaa 120
ccaggatgca ttttataata aataagtata tttgggtgtg t                                     161

```

```

<210> 461
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

```

```

<400> 461
gggcattcag ataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60
ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
taactgatga catggtcttg tgaaattcct tctcctgggt catcctgggt caaaagctcc 180
cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttcctt tacctaccgg aatcctataa aacggcccca cccctatctc ctttgctga 300
ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagcttt attgctcaaa 360
aaaaaaaaag ccaggggagg ccaattcnag cttnggactt aaccaggctg aacttgctca 420
aaagg                                             425

```

```

<210> 462
<211> 268
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(268)

```



<223> n = A,T,C or G

<400> 462

```
tcagactgag atttccatt ntggccacgc ttcacatgcg acacatatng aagtncacag 60
cagcttcccc ccttacctgc aagggatatg ttcacagatc tccagtggat gcctgaaact 120
atggatagta ctgaatccta tatatactgn ttttttctat acatataata aaagggtata 180
aattacgcnc agtaagaaga ttaaaaactc aaaatatgag ttaaacncat atgcnatata 240
atatatgcaa taaaattgaa atactggc 268
```

<210> 463

<211> 287

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(287)

<223> n = A,T,C or G

<400> 463

```
acctccagtg gcagacagat ggatagagct atataatcat cagtggaaagt gtgtgatatt 60
ctgtcttcac aaaccatcgt gcaaagcaga accaacggcc ttttgtctgc ttttagaaat 120
gtctgcaaga atccctccca cctgtcaagt tatggggatg aatatgtata aaatgcatca 180
tgtatgtgta cctgtagaaa acactggatt gggatgtgca gaggaaataa agcaaacagt 240
tttttaaaaa nncaaaaaaa aaggccaggg gggcccattc ccctttg 287
```

<210> 464

<211> 236

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(236)

<223> n = A,T,C or G

<400> 464

```
aatagggaat tttggatgca gagacacaga gagaatgcc a tgtgaagatg gatcagagac 60
agaagtgtag cggctgcaag ccaaggantg tgaagaatgg ccagccacca ctggaagcta 120
ggggagacgc cagcacagat tctccctgag agtatccaga agaaaccaac cctccaacac 180
ctggatttca gacttctgac cttgagaagt gtgagccaat aaaacaactg cagtgg 236
```

<210> 465

<211> 283

<212> DNA

<213> Homo sapiens

<400> 465

```
cccaggacca agattgattt ttttctgcaa gaaggattct caatcactat tatgaaaaac 60
cgaatggctt tggaagttag cctttgctgc agacttgaaa atgtttcttc ataaactcac 120
cctaacattg caaggtcaaa tagcactaca tgagaaatct atacttcagt gaagacattt 180
tgacaaaaac taacattgtt taaatcacca gtaatgttaa gctgctttat acatgtccca 240
ttctgtcaaa ggttaaaata aagagcaaga tcttcattcc tac 283
```

<210> 466

<211> 256

<212> DNA

<213> Homo sapiens

<400> 466

```
agcaagaact cggacctagc tgcactaagg actaagcaaa ctacaaagga agcaagagat 60
tggagtgatt caaggaagaa gccaccgagc caaggaatgc aggtggccac taggagctga 120
aaaatgcaag ggaaccgatg atccctcag agcctctgaa ggagccaccc ctgcccatac 180
```

cttgacttta gccagtgaa actggttctg aatttctgac ctttagatct gtaagataat 240  
 gaacttggtg tggttt 256

<210> 467  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(457)  
 <223> n = A,T,C or G

<400> 467  
 tgcactggaa caaaaacact ggtgtgccgg caaaagttaa agaaacggct ctttggtaga 60  
 gaagcactgc ttcatgtgt ctgctgattt gcttaatgtt tttgggtagc tcttactacta 120  
 ctgaactcct gcttggggca aagttgcca aaaagacttc gttatataac aacaccagag 180  
 gagagcaaaa gacttctaga ctttgggggc tatttaaatt ctggtggagt ctgcgtctgt 240  
 catccaggct ggagtgcagt ggggtgatct cagctgactg taacctttgc ctctcagggtg 300  
 tcaggcctct gagcccaagc taagccatca tatccctgtg acctgcacgt atncatncnc 360  
 anaggccccg accaattgaa aaattcncaa aaaaagngaa aanggccagt tcctgcctta 420  
 actgatgaca ttaccttgng aaattccttc tcctggc 457

<210> 468  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(290)  
 <223> n = A,T,C or G

<400> 468  
 tgcctaattc atactggana cggcagnccc cccaangagt gacctatgct ngagctaagc 60  
 accagccgcc cttgtctnga ggcagnttca tacaccaccc agganccccc angatctcat 120  
 gaatatgccg gcaactgaaag ttgtagcaag aagacagncc nggccactaa aagagggagg 180  
 ngatcgtgct ggccaaggtt atcggaatc tgggagatgc agatacctgg agtttccttt 240  
 gctctttcgt gtcataattca aataaaaaatn aaagttttct tcagtccttt 290

<210> 469  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(435)  
 <223> n = A,T,C or G

<400> 469  
 gggcattcag ataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60  
 ttctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120  
 taactgatga catggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180  
 cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240  
 aattttcctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga 300  
 ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagcttt attgntcaca 360  
 aaaaaaaaaa ggggccgggn ggggccattt aantttggga nttaaccagg tngaacttgt 420  
 tnaaaagggg ggggc 435

<210> 470  
 <211> 191  
 <212> DNA

<213> Homo sapiens

<400> 470

```
aaacacgcag cagtaacctg acgtgtctgt gaagacagca gagcagcctg cgcctctgga 60
aacacacccat catctgcctc tctccaaagg acggggggaga cgcctcatgt gagatggaaa 120
ttaagcctca gaagcagtca tttttcttta tattgttttg aattaaaaac atattaaatt 180
gatccattat g                                     191
```

<210> 471

<211> 307

<212> DNA

<213> Homo sapiens

<400> 471

```
acagaagaga tcatggtcag tgggtcaggt ccaccatggt gagcggcagt caagtatcgc 60
ttacggatac catcacaaag aatttctaag gaaaaaaagg agaaaagaca gacatacctc 120
ccggcgccacc atactacatt ctgactgggtc cagaagaatg ttcaccacag ttccccagag 180
cccaccgggaa atgttctgac aactgtttgc taaggccaca cagcccgttt caaggggtggt 240
cagtgtgat cctaattcca gtgaagtga tctcacctgt tcaaattaaa gagaaagttg 300
ttgaatc                                     307
```

<210> 472

<211> 593

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(593)

<223> n = A,T,C or G

<400> 472

```
caaaaactcc gggtnagaan tgaccctggc aanatctggc aaacttgtcc atcntattga 60
ccgcggataa cttcttttgc ttcatactct gggaatctct tgctttgggt cttgcgaact 120
tcttggtttc ttgcattcct ttgcgcttgc accccttggg accattaaaa aagaagaaag 180
ggaaccgggg aaggtaaagng gaatcttggg aaggggacca acttggcacc cccaaaacaa 240
ggggaaattc ttgaagccac ccaagcaanc cacgcccagg tgggttaagc ccttaagccc 300
ggtgcccatt ttaagacgt cctggtgggc cgtaangcac ccgttaagct atgggtaagc 360
tccatggggg atcattgttg ggcattccacc ctatatggc aagtttctga aaatgataac 420
cattttttaga aaatggatgg gacaaaaatg ggatgccaaag ggttttaaga aaanaaggtg 480
tttaataaaa aggggcaaac ancgganggn nccttccaag ggggnttgaa aaactnggtt 540
taanaaaacc ttncctctgt ggtnaagggg gggatancnc cgaaatcttt act 593
```

<210> 473

<211> 676

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(676)

<223> n = A,T,C or G

<400> 473

```
ttncctgctn nagctnaaaa ctngaagaag anganctggt ggnactngnn tngggcataa 60
nntagnntat tcctncccc ttggcntttg aattccactt ggtggtcaaa aagggttnt 120
gnaagccctt tcantgggng angaacaat taatttgggt gaatngcca ttcaaccnac 180
ccgaagcctt tttgcaacct tattgaacgg gtgggggggg aatttggctt ggcacccttc 240
ccccaggtgg aaagaaccca aaaaaagggg tcacccccat ttcccttaat ggtccttggg 300
ggaaccctta acaaaggggt ggaacttggg ggctttggtn cggggaaccc ccaagggccc 360
caaagaaacc acaggcccgg gaaaaggaac cttcccgggg gggattacca agcccattgg 420
gcttaaaggg aaaggggaca aaaggaaagg tttggtcaaa aggaaatttt cccaaacgcc 480
caggggaccc ccaccatccc cttttgggta ttttggaaatt ttcacaagnt cangcntggc 540
```

```

tttcaaacng ggaaatnggg gcttnttnc ncacccang gggaattccc ttttaancacc 600
cccaaacccg ggccctggcct ttttaaattt tttaccccca gggaangggg acttcaccat 660
ttggggggcc ggaaat 676

```

```

<210> 474
<211> 421
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

```

```

<400> 474
cagaaactna ancacatntg tgaannctng gggaaactta caatcatggc ncangatnaa 60
ggaaanccaa gcacctctta ccatggnttg atgaggaaag aaagaaagcg aagggggagc 120
tgccacacac ttttaaaacc atcatatntc atgagaactc actcactatc acaanangag 180
cangggggaa atctgccttc atgatncaac cacctcccac cangcccttn tccaacatg 240
gggggattac aattcgacat ganatntggg tggggacaca gancnnacc atatcacaat 300
ccaatgtggg tgatgctgc tacagnaact gtantanact tgnnagatat taactgtcat 360
tgtcttgcaa atggaggctc nctncaaaag attaatatgc ancaatgggt gaaccacaca 420
g 421

```

```

<210> 475
<211> 249
<212> DNA
<213> Homo sapiens

```

```

<400> 475
aaccaaactc aacgtcaggc cgtgggtttct gctcatcaaa gaatgactgc tgcgtgatca 60
ctaagctgcc accacctgca cttcagtgtc tcaaggctc ccctgccgct gacatttgga 120
acaggctggg caggatactg aggatgctgg actctccttc gcagtggctt ttgtataaac 180
ccaaggggaa tgggaatttg gagacaaagg aagccatcct ggagcggcca aataaagcct 240
ttaatcttt 249

```

```

<210> 476
<211> 452
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

```

```

<400> 476
gctggaangc tcntggagtg tgagcagaga ggaagagtgc ccagggacta caggaattta 60
atcaacttga gcaatcagac tgttttacat cctcccagct gacagccggt tttcccccaa 120
attctgtgtg gaatgcagcc acatcgtcta ttgaaaccag ctccctgacag accccaacaa 180
cttatacatg aacctaaagt aactatcctc agttccatgc taaattctcc accgtgggag 240
gggctacagc ttcattagca taacatgaga cccgtgttgc tggcaggatg actcactaca 300
tctgcacaaa tggggcctgt cctctatatg cgatgatcca ccctttcctc tctcaccccc 360
ataaaaccct cctgtcgctt ccttggggag acaccgcttt ggagaacact tgtagtgctc 420
tccttacttg tgacaagtaa taaaactcct ag 452

```

```

<210> 477
<211> 276
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (1)...(276)  
<223> n = A,T,C or G

<400> 477  
ncctncatta agnnngaact gncatngngt gtnacncatt agnatgagtn cacaattaaa 60  
catgaactgg ttcctgccga aatgcaaaaan aaacatgtca ntactaagct gctattttat 120  
ttgacagctc attttccttt ttcctgcag tcatttgttg tttataagca aacctgagcc 180  
tccaaaacac ccccaaaaagt gcacacaagg agtcccataa tcagtttctg actttggccc 240  
taaatacgatt agaatacatc tgatctgctt caaatc 276

<210> 478  
<211> 300  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(300)  
<223> n = A,T,C or G

<400> 478  
ttgtatggca accctgtagg ctctcaccg gcccaagttg gctttgggga gaccagccc 60  
agcccagacg ctccaaggac cccattggca gagctgcgac cagagaccac tgctctgcaa 120  
gccacgattg ctgtccgggc agtctcacc acggggcaga ctgaatcctt ancttgctgg 180  
tttgtgtcat catccggcat caggctcagt tcaaatncca gctcctccac ttccaagttg 240  
ttggctttga gcaagtcact taatgtcgct gcgttccatg ccccatctgt gaaatgaatg 300

<210> 479  
<211> 432  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(432)  
<223> n = A,T,C or G

<400> 479  
caaaattggg gggggnnttt nctntgcgcc ctgtgngtgt ttctttnaat gnaaagnttt 60  
tntgtggcaa anttaccntc gnatgcaggn atncaatggc cattcagccg gggcagttcc 120  
agcnttcggg ggacaggagc cccaccccan ttttgtntcc caccacntcg tgtggcgcta 180  
atcagganag gacagcgcca tctgccaatc ccctgggctc tgacaccctt taaggtgtag 240  
cgcacacagc ctcaggagcc gccatgacaa ctgaagatgc tacacgaagg ccaggggatg 300  
ctgccatgtc ccccangcag gtgccccgca gcctgtggcc ccacgccatg gtccagtgtg 360  
ggggggaaca ccnttgattt ttaataaaga gancagaaga ccctggctgg gtctntnacc 420  
actggcactt ct 432

<210> 480  
<211> 441  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(441)  
<223> n = A,T,C or G

<400> 480  
ccagcaacac agaatccaca gaaggaagac aatggagcta caaggtggga gaagctgcct 60  
gggtctctaa atcactgtaa gataatcaac tgcttgggaa aacctatattg gattttaagt 120  
gaacatgaaa taaactacta gcctgactca gctctcaatt gactggggat gccattcaag 180  
aggagatgaa gaagctgtgc ttctgaattc tgacctgatg tctacatact taacaatctg 240

```
gcaggatata atatttctcgg gtcacacctt ctttcagaac ttgcagacac tgcattatatt 300
cttttggcac tgaattcaac tgggagaagt ctgnnggccag ccaaagtgtt aaccatttga 360
aaggacttcc ttttttgcct aggtttttcca ttttcttttt angaactctc ttttttaatc 420
actaaacttt tatttaaata c 441
```

```
<210> 481
<211> 304
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(304)
<223> n = A,T,C or G
```

```
<400> 481
ancnnctgaa gtgncaanng aggctggagt gcaatggcaa aatctcacct caccgcaacc 60
tccacctccg ggggttcaagc gattcttctg cctcagcctc ccgagtagct gtgactacag 120
agatgggtct cgccacgttg ctcagggtggc cttgaactcc tggacttaaa taaatcctca 180
tatctcaact tcctgaacag cttggactac acatgtgtgc caccatgccc agttattaac 240
ataattttta aataacatct cctgttctac tataaaagta agtgaataa aaggtcagaa 300
aat 304
```

```
<210> 482
<211> 423
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G
```

```
<400> 482
ttgaatacaa ggatgtgggtc aactataactn gttcttaccg ttgaaaaaga agtgctgagg 60
ccaggcatgg tggctcacac ctgtaatccc agcacttttg gatgccgagg cagctggatc 120
acttgtgggtc aagagttcaa gaccagattg ggcgacatga tgaaaccccc tctctactac 180
aaatacgaaa attagccatt gtggtggcac acgcctgtaa tcccagctac tcaggaggct 240
gatgtgggag aactgaaccc tggaggtggg gattgcagtg agccaagatg gcgctactgt 300
gctccagcct gggcaacaaa gcaacactat gtttttaata aataaataag tgctgagatc 360
tcagaaaatt nnnnnnnnnn nnnnnnnnnn naaccnnaaa aaangggggc gggggggcca 420
ttt 423
```

```
<210> 483
<211> 402
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G
```

```
<400> 483
gactctgggg agctcctgct tnanntaaaa nngaggtng cagnaccccn ntttaaaaag 60
gggtcnngcc ntgtncnttg naggaaggna tgctgcncan aggccaaaac aaatntcgac 120
agtccttgct ggggtccctc actcagtcct gagtatcact atgagatcat accttttggg 180
ccaagcatat ttctacatgg ttatcaatca tgccatcca aggaagtgtt cataaaaggc 240
ctacgaggac atgatttggg gggctttcag atagaggttc ctggaggatg ccactccag 300
ggagggcatg gagcttccag gcccttccc ccatacctgg ccctgtgcat ctcttcatct 360
ttattcatta taatatcctt tgtaataaac cagtaaatgt gt 402
```

```
<210> 484
```

<211> 497  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(497)  
<223> n = A,T,C or G

<400> 484  
gtatcaatca tgaagttaat aagaagtggg atcctccaaa agacaccttg gctttcccca 60  
cagtcaccca cctgttccac ctgtttcaac aggtgaactc actgcaggca cagaagacat 120  
ctaaggactt tagaagtgag gtacgcctccc aggacaccaa gacacctccc ccaagaaatg 180  
actccatttg tacattttca tataatgttc tttctacaag aggatccttg taatttacta 240  
gacccttttc tttctcaaaa tacatgagga taccagagga attatcttct aaccctcatt 300  
ttgacccttt cacctacaaa cttgattgga tctgcctaatt ctctgaggaa cttgctaagc 360  
tctggttgtc aatttatatg gccagattga cagaaagtat gaaagtcctg tggaactatg 420  
tttactttca cacatgaacc agtganggaa gccagttcat ctggtgatgc acattgatgg 480  
ctcttcttgg tccccaa 497

<210> 485  
<211> 526  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(526)  
<223> n = A,T,C or G

<400> 485  
gtccagctaa tgatccaatg agagcatccc aattcatata caactttttc gattggctgt 60  
aaaagccagg taatggatac caccaggaga ggttgactgg atacaccata tctcttcact 120  
cactcaaaga cccaaactga tggagaagta aacatcccta ccagtcacag tggcagaagg 180  
aaagaaagct ttgaagtgtc ttcaactgga aatcaaattc tccatcctag aagagacgat 240  
cattatttcc ttaatgatta attattttaca acttgnggac ccggaagtca ttatatgacc 300  
taccccaatc accagggact ttgtagtata attttaccac atctggaatg cagacaggcc 360  
taatatattg gccaaaaaaa tcaagaacta ctttgatcaa gcntaaaanta aaaggtggtt 420  
ttaaggaaaaa gttannnnnn nnnnnnnnnn nnnnnnnngg gggcngnggg gcccnttnng 480  
ttgggattaa cccgggttaa nttttttnaa anggggggggc ccccc 526

<210> 486  
<211> 513  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(513)  
<223> n = A,T,C or G

<400> 486  
ggcccagtga acagagcccc tggacattgc cggaaggaaa ggagaaagcc cagcaaagca 60  
cacgacgtat caggcttttc atgtgtcatt gggtgaaagg gagtcacatg ggccaaggag 120  
gggaagcagg tgtcatcaga gcagttccac agccctctag gcacagtaac aggcattgctt 180  
tctgtccttc tctcctttta gattgtaagc tacccaaagt ccatctccat gggttttttt 240  
ccttatgtgc aaactaccat atgacagggt tgccctgacaa taactcaggt atagctgaga 300  
atgatcctgt agtccaagaa tggttggttct gagctctgaa ctaaggaatc tgggagctgc 360  
caacccaaaaa gggtactcct tatctatgga gcataagtga acccctggcc catttcttgg 420  
nacaacatgt gcngggnaac caaggccttt ttttttaact aaggggggaag ggggnccggn 480  
naaaggcccc caggaaaaag ggggcccggg ggg 513

<210> 487

```

<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

<400> 487
gctgatctcg aactcctgag ctcaagcgat cctcctgtct tggcctccca aagtgctggg 60
attacaggcg cgagccactg caactggccc attaaatatt taaccccgtg cttgacggat 120
cagctgacac tacccagacc agtaatctgg ctcaaccagt cctgcgatcc caccaggaa 180
cagaagacag caagaaaacc tcacttcaac actcccgctg atgactccat cgacctcagg 240
aagctccaac caatcagcac tccccacttc ctgagccccct acccgccaaa ttatctttca 300
aaactcggat cccctaattgc tcagcggaga ctgatttgag caataataaa actctggtct 360
cctgcaaaaa aaaaaagggc cgggggggcn attnannttg ganttaaccn ggntnaactt 420
ggttaaaagg gggggg 436

<210> 488
<211> 90
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(90)
<223> n = A,T,C or G

<400> 488
tgccttcgcc ccctgtgagg cctcagaaca ttgcgcnngc tccagtcatg gccacggcaa 60
gtgactgctg atttgccata ccccatgt 90

<210> 489
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 489
tacctaataa aataaatcct ggccggggcat ggtgggtcac gcctgtaatc ccagcacttt 60
gggaggccaa ggcgggagga tcacgaggtc aagagattga gaccatcctg gccaacatgg 120
tgaaactccg tctctactca ggaggctgag gcagaagaat tgcttgaacc tgggaggcag 180
agggttcagt gagccaagat tgcaccacta cactccagcc tgggcaacag agtgagactc 240
catctcaatc aatcaataaa atcaacatat taaatgtcaa aatacttaag taaaaatgtt 300
ctacttggtc tatgtcactg aaagaatagt cataaaaaatc cagtatgaaa gtttttaaca 360
gactacttta tttacattct attacttgat aagcagcact tgaataacca aatttatatt 420
atcccagaaa gttatggaca ctangtgctt caagaagttt gctgaattaa angacagatt 480
tacttattgg ctttttggtta aaaattatgc aaaaa 515

<210> 490
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

```



```

<400> 490
gggtggagtct cccgggaggat ggctgtggaa gaactgccaa ttccaagggc ctgggtcaggc 60
agaggcattc ttactattcc aaaacaagga aagggtaaaa ccaagatgtc aaaggccccc 120
ctggtgtgga ancaaatttc tgcctccacc agctggatgg ctgctacccc tgtacaggct 180
cctaacactg gaacagggat caaccgaagt gcttggggct caccatgtcc tcctccccag 240
ccaggacagc aagtggaaga cacaggcgag ctgaaaaggg ctcaactgtgt gccagccct 300
aaccctctgc ctcatggca ccaggcacc aggactcctc agaactcaga gccagggttt 360
gggcagcctc ctcgtagtgc tccttgaata ggatttatag gacttgcacc angagctttg 420
ggccattcca ggggacattg cttttggggg aaaaaaagga cccaatatgg gtatctaaga 480
actttgaagc atgtcgtcag aaatcggagc ttcanggaat tgggaaat 528

```

<210> 491

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(537)

<223> n = A,T,C or G

```

<400> 491
gttctgattg atgcagaggc tgttgaagta gaccacacga ttaaagcaag agagggagat 60
agaagtggag atggcggcaa cctattatac ctggatatat ttggtatata aacaaagaga 120
ctcaatgatg aattgaacaa tgaatctgaa ggaaaaagga gaaagaaaac acaagtgtgc 180
agggtgtcaat tgtataccat catagtacca tcaaaagaag taggaaatag tggagatgaa 240
gcaggttgat atgatttggc tgcttcccc cccaaatctt accttgactt gtagtccca 300
taatccccac atgtgggggg aggaagcctt tangagggtga tttaatcatg ggggtggttac 360
ccgcatgctg ttctcatgat aatgagttag ttctcacaag atttaacgtc tttanaaagg 420
aactttttcc ccttttactt ggcacttctt ttttgctgtt ggcattgtga aanaangaca 480
tggttgcttc ttcctttccc ccttgattgg naagttcccc anaacctccc cagcctt 537

```

<210> 492

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(367)

<223> n = A,T,C or G

```

<400> 492
gtgctgagtt gaatactngg atgtgggtcaa ctatactgtt cttaccattg aaaaagaagt 60
gtcgaggcca ggcattggtg ctcacacctg taatcccagc actttgggat gccgaggcag 120
ctggatcact tgtggtcaag agttcaagac cagattgggc gacntggggn aaccccgctc 180
ttactacaat ccaaaattag ccattgtggt ggcacacgcc tgtaatcca gctactcagg 240
aggctgatgt gggagagctg aaccctggag gtggagattg cagtgaagcca agatggcgct 300
actgtgctcc agcctgggca acaaagcaac actatgtttt aaataaataa atnagtgtct 360
agatctc 367

```

<210> 493

<211> 189

<212> DNA

<213> Homo sapiens

```

<400> 493
gtaaagatca tcttgttctg ctgaaagtca aaagcagccc ctattgttgt tttttaaata 60
actctctaata taaaacaaa caattctgta gactcttcca taggaaatat attcatgagg 120
ctgatgctta tagaaagttt tatcttgtga gttattaaat aaaaatgcat tcaaatttca 180
agaactgtt 189

```

<210> 494

```

<211> 157
<212> DNA
<213> Homo sapiens

<400> 494
gtttatggat atgctgcctc ttctgctaaa ctgtaaatct ttgaagacca ggagccacgt 60
cttacttatt tgtgaatttc cataacatct agtagagtgt tttccaccta attgggcgca 120
ataaatgttt attgaaaaaa taaagaaggc tatgggg 157

<210> 495
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 495
ccaagatgga gtaacagaga ccagattcat gcttctgcct gaaacaacca aaacacagac 60
agaacatatg aaacaatgtc ttcaaaacac tgaacatcag cgatggaagc aggaggcaga 120
gaaattctag gcagacaggg gcgggtcccc agtgaaacag caccttcaag tcaaagtagc 180
ctgaaacctg ctgcccaga ccctggactc agtcagtaga ggagagaagc agcttgactg 240
gagagaagca acttgacttc agagggacag ctggacttca gaggaaagat agcttaactt 300
cagagggacg ctctgacttc agggaagatt acctgacctat cccatcccc ttttcagctt 360
ctntttttca cttggagact tcctttggtt aaataaaata atctgcctcc accatc 416

<210> 496
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

<400> 496
atgtgaaaaa ctaagacaca gagcagttaa aagatotaat gacagaactc agaatggaac 60
acaggtctcc tacttctaga ctcatgtttt tgaggagatc cgtggatcag catctctcct 120
ggtcaggacc acagaggcct tccaccgcgt gtgtgaagcc tcgttggaag ccagcttcaa 180
aagcaaaagg tatgtcaatg ttccataaag agaggatcgt gactctcccc ctgtgcaagt 240
ctggagcttg agagcactct ttctgtggga tgcagtcacc ctgaaatgaa actctcttta 300
ntagctttta cttgagaaga tncccatatg ccctacctac ttatngtnat gcncctctat 360
attaaaaaaa aaagttgggg agtttaaaag gacca 395

<210> 497
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

<400> 497
agatgaagtc ttcccttgct gcccaggctg gtctggaatt ccttgcttca agcgatcctc 60
ccacctcgac ttccctaaaga actgggatta caggcacaag cctgccccac tctgcaaccc 120
gggtgtagaga ccgctacatc aaaagcacat agtaggaggg aagaaaaaac ccacagagtt 180
acaataatga aagtctggag gcaaataagag tagaagtcta cttgaatagg tatccctccg 240
taggatagtt catcacatat tagaactaga aaggctcctg aagtttatat agtggctggg 300

```

ctaattctgtt	agattttcaa	agtccaccaa	gatcagttaa	acaattgctg	agctaaagaa	360
aagaactttac	cattcattgg	agtttntttg	ccatcccatg	cagttattgg	aaataaatat	420
ttgtatgct						429

<210> 498

<211> 345

<212> DNA

<213> Homo sapiens

<400> 498

acaaggcctc	tgcgaaccag	gctggagtg	agggatctcg	gctcaatgca	acctctgcct	60
cccacgctca	agcgattccc	gtgcctcagc	ctgcagagta	gctgggatta	caggctggga	120
ttaccaccac	gccctgctaa	tttctgcatt	tttagtaaag	acagggtttc	atcgtgttgg	180
ccaggctggg	ctcgaactcc	tggcctcagg	cgatctgccc	gccttggcct	cccaaagtgc	240
tgggattaca	cgtgtgagcc	actgtgcctg	gcctattcct	gatgactctc	cttgctctga	300
agtctgtact	gtctgaaatt	aatatagaga	ctcctgcttt	ctttt		345

<210> 499

<211> 388

<212> DNA

<213> Homo sapiens

<400> 499

agagatcccc	caagatgtaa	aagttccagg	ttccaaaaaa	cctagaacca	cccttaagga	60
tggaccacga	ggatctgaca	gccttttgca	aaggctcacc	agccccgacc	tcagcagagg	120
aaagacgact	ccatgcttgg	ctagcaaggg	caacggtgcc	accagcttca	tatgtcccac	180
ctggcagggg	gctcctaaca	ggggtcagag	cagtactgtg	acctgaagct	ctccctgctg	240
cctcttcttc	gtgccccctt	tttaccatc	acagctatct	cccctaatac	atcttctgca	300
tgtgcttctt	ggaggacctg	agatgacact	gagccagact	gaatttttct	tttttgccat	360
aatcagaatg	gattaattaa	gaattaaa				388

<210> 500

<211> 310

<212> DNA

<213> Homo sapiens

<400> 500

gagaaagtca	ttattcacag	aagatgcatg	cgaaaccgcc	cttgcagaat	tacgactgag	60
acgaccctgc	acgtgatgca	tcagctggca	ccaccagat	gcataaactg	gctcatctga	120
tcttgtggcc	cccaccagg	aactgactca	gcacaagaag	acagctttga	ctctctatga	180
tttcatctct	gaccaatcag	cactcctggc	tcactggctt	ccccacaccc	accaagttat	240
ccttaaaaac	tctgctccct	gaatgtttgg	atagaacgat	ttgagtaata	ataaaaactca	300
ggtcttctgc						310

<210> 501

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(455)

<223> n = A,T,C or G

<400> 501

gaatcatggt	tacaaagcat	tcccttggca	agaggctgtc	tataggatcc	agatgggtctg	60
accccaagtc	agatgtcctt	tataaccttg	cttttatggg	cctctgacca	gcagcattaa	120
catcaccttc	acctggggagc	tcattaggaa	tgcagaatct	cgggcctcat	ccctgatcca	180
ctgaattgga	atctgcatct	taacaagatc	ctcaggcaat	ctgtaagcat	atgcatgggt	240
gagaagcact	gctgtacaac	actttgtaac	aatctctctt	gtccaagagc	ggggacgaag	300
ctagctgtga	aagctaacac	aggtctcagg	tgttcttctt	cctgcaagtg	aggggtggagg	360
gtctgcattg	nggggtcattt	tcccgaataa	ccttccttgg	gatcganggc	tcctgtctgc	420
caaaaagaag	ccagaatgaa	atgatgctgt	agaaa			455

<210> 502  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<400> 502  
 gtctccattg cttgcgatga tattaatgaa acagctgctg atcttattga agttaccttg 60  
 tgcattggaga tggagtcctt ctctgtcacc caggcagaag tgcagtggcg cagtcttggc 120  
 tcagtgcacac ctctgcctcc tgggttcaac ggattctcct gcctcaccct ctttagtagc 180  
 tgggattaca gcccgctctaa tttttgtatt ttttagtaga gaaggggggt ttcacccatgt 240  
 tgaccaggct ggtcttgaac ccctgacctc aagtgaacca cctgccttgg ctttccaaag 300  
 tgctgggatt acaggctaga gccactgtgc ctggcctaaa tttcatacta taccgcattt 360  
 accctctatt taatataata cacccaatta aggggttt 397

<210> 503  
 <211> 443  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (443)  
 <223> n = A,T,C or G

<400> 503  
 gtgagaaaaa aaagcccaga gaggacaatc agcaaggaat ccagcacctt ggagccatgg 60  
 aaacccttct tgggtgcctct ttaggctcct catggcagca ggggcaggag ggcacacagg 120  
 gtgttgtgca cctagcccca ggtggataag aacatccaga tgcacctgcc cttcactagc 180  
 tttgtcatgg ccctgcccc atcccagctt cagggttaac ccctgctacc ttcagtgtctc 240  
 agccagtagg tcacttcctc caggaagtct gccatgacca ccagggttagt tttgctctcc 300  
 ttgttctgtg ctcccatggc tccaaaactg caccacttct aaagatgcat tcatcttttg 360  
 atctgatccc tgggaaggga tngaccagca ttgtccatca ntcttgagtc cccaagcacc 420  
 ccaccaatg ccagcacata gtg 443

<210> 504  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (346)  
 <223> n = A,T,C or G

<400> 504  
 acaagggtctc tgcgaaccag gctggagtgc agggatctcg gctcaatgca acctctgcct 60  
 cccacgctca agcgattccc gtgcctcagc ctgcagagta gctgggatta caggctggga 120  
 ttaccaccac gccctgctaa tttctgcatt tttagtaaag acaggggttc atcgtgttgg 180  
 ccaggctggg ctcgaaactcc tggcctcagg cgatctgccc gccttggcct cccaaagtgc 240  
 tgggattaca cgtgtgagcc actgtgctg gcctattcct gatgactctc cttgctctga 300  
 agtctgnact gtctgaaatt aatatagaga ctctgcttt cttttg 346

<210> 505  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (444)  
 <223> n = A,T,C or G

<400> 505

```

acaggaatgt caaggcctct gagccgaagc taagccatca tatccccctgt gacctgcacg 60
tacacatcca gatggccggt tcctgcctca actgatgaca ttccaccaca aaagaagtga 120
aaatggcctg ctccgcctt aactgatgac attgtcttgt gaaattcctt ctctgggctc 180
attctggctc aaaagctccc ctgctgagca ccttgtagac cccactctgc ccaccagaga 240
acaaaccccc tttgactgta attttccttt atccacccaa atcctataaa atggccccac 300
ccttatctcc cttecgctgac tctcttttct gactcagccc acctgcaccc aggtgaaata 360
aacagccatg gtgctcacc aaaaaaaaaa aggccagcga ggccnattta gcttggactt 420
aaccangctg aactttgttt aaaa

```

```

<210> 506
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

```

```

<400> 506
gtacacatcc agattgccat ttctgcctt aactgatgac attccaccac aaaagaagtg 60
aaaatggcct gttcctgcct taactgaaga cattgtcttg tgaaattcct tctactggct 120
catcctggct caaaagctcc cctactgagc accttgtagc cccactctc ctgcccacca 180
gagaacaacc cccctttgac tgtaattttc ctttacctac cctaattcta taaaacagcc 240
ccaccccatc tctctttgct gactctcttt cagactcagc ctgtctgtct gcattccagg 300
gattaaaagc tttattgctc aaaaaaaaaa aaaggncngn gnggncaatt cagntnggac 360
ttaaccnggn tgaacttgnt naaaaggggg gggccaccca a

```

```

<210> 507
<211> 306
<212> DNA
<213> Homo sapiens

```

```

<400> 507
aatgaaggag ctggacttgg agatctctct cacctctgaa gttgtgtaag tgaagtatac 60
tgaccacgtg tgaccacgct gctattcgaa gacttactca aagttttcaa acagactaac 120
catgtgggac tgtgatttag caaggaaaaa agccagaata aacatgtcag tgtctccgtt 180
ttatggtggc ttcattgtgca gcattgtgac ctatacctcg gagtttttct tataccagat 240
gaagcttggt ctatagtctt cacaaggaca taacacttgt cataagtaaa tgtttctatt 300
ctcttg

```

```

<210> 508
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<400> 508
gatgcagctg actgcaatca actgagactg tgggaatggtg gattaggaag gactacagta 60
tactgaaggg tgaggggtgag gacaagagaa gggaagggtg tggagatgat tattcaacag 120
tcaagactct gctagtacac aagacaccag aaatccggaa ggctctctcc tgccccgcca 180
aacaggaga aaaaataaat ttctgaaaga ttttgatata tttt

```

```

<210> 509
<211> 318
<212> DNA
<213> Homo sapiens

```

```

<400> 509
gtgggggtctt tcaagggcag ccttcgtctc tcgctgacag acagcaagaa actgagcccc 60
tcagtccaag tccacaaaga attgaatgcc gccacaact atgcaaggat gtaaatgaac 120
tattcttcac ttgagcctcg gaagggacca taacctgac tgataactga taatagtttt 180
gtgagatcct gaaagcagag gatactcaga ctctcattc acagaagctg tgagagaatt 240
catgtatatt gttttatgtc tctaattttt tggtaatatt gttatacttt aatgggcta 300

```

aaagctacca actcaccg

318

<210> 510

<211> 133

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(133)

<223> n = A,T,C or G

<400> 510

```
aactgacagg gnnccannggc tcatgcctgt aatcccagna atcccagcac tttgggaggc 60
caaggaaaaga ggatcatttt gaagccggga tatggagacc aacctgggca acaaagcaag 120
acctcatctc tac                                     133
```

<210> 511

<211> 114

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(114)

<223> n = A,T,C or G

<400> 511

```
gatcacgtca gatgtttttt gnacccccna ttncagncac cagnttgaag acccctacag 60
aggntgggga ttggagacca acctgggcaa caaaagcaag acctcatctt ctac       114
```

<210> 512

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(409)

<223> n = A,T,C or G

<400> 512

```
atggagncctt gctccgttgc ccaggctggg gtgctgnggc gcaatcttgg ctactgtaa 60
ccttcacctc ccgggttnca gctgattctc ccaccttaac ctctgagta gctgagatta 120
caccgcngtt caccaccatg ccagcctaatt tttctgtatt ttagtacna aacgggtttt 180
caccatgttt ggccagactg gtctcaaact tctgacctta ggnagatcnt ggnccacctt 240
agccttccaa agtgctggga tcacagtcct tgaagccacc gcgcctggnc gacaacaggc 300
ttctttgaag aacaaggggc cttcttttaa ttttnaaca antctcttgc ctttggtaca 360
cangagtatg gggntncaat aaattgtttg gntnggattt gaaatttgc       409
```

<210> 513

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(411)

<223> n = A,T,C or G

<400> 513

```
actgaggcct ctgagcccaa gccttcacgt atacatccgg atggcctgag gcaactgaag 60
gaccacngaa gaagtgaata nggacagttc ctgccttaac tgatgacatt accttgggac 120
```

attcctcctc	ctggataatg	netctgganc	tccccaccaa	acaccttggtg	acccccactc	180
tgccccacaan	agcacaaccc	cctttaactg	taattttcca	ctacctaccc	aaatcctata	240
aaactgcccc	acccccatth	ccctttgctg	actctntttt	cggactcaac	ccacttgca	300
ccaagnghaa	taaacaagcc	ttgttgctca	canaaaaataa	aaaaaaaangn	caanaggngn	360
cctncnnnnnt	gnnaatnaa	catgggtnnn	gtntgtgnaa	aagggggggg	g	411

<210> 514

<211> 165

<212> DNA

<213> Homo sapiens

<400> 514

atcaatgggtt	ctcagtgtga	tctgcagagc	agcagcagca	atagcagcaa	catctgttcc	60
tataggttgc	actgtggagc	aaatatacca	ggaggtcttg	atttcctttt	tctccctcac	120
catccgataa	taaatccaag	tggaatgcta	ggaattggta	aaaag		165

<210> 515

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(461)

<223> n = A,T,C or G

<400> 515

caatgatgtt	cagttccaat	tttccaactc	cccagaagat	gctccactgc	tccactctct	60
tgccaccatg	gtcattccaa	gaaacaaatc	tgaccacagc	acttctcccc	ccacaccctt	120
cccaacacag	catggactct	gcaacctggt	atgagggggc	tctgcttcac	tccagtccag	180
cccattggctc	ccaaaagtgtg	gtctatggac	tcctaggggt	ctacaagatc	cttccagagg	240
ttttacgagg	tcaaaaagtat	ttgataaaaa	tactaagaca	tttcttggct	gggagccatg	300
gttcatgccc	gtaatctcag	tgctttggga	ggctgaggtg	ggaggggttg	ctgaggccaa	360
gagctcaaga	caagcctggg	caacatagaa	agaccctgtc	tctacaaaaa	aaaaaaggcc	420
agnngggcca	attcagntng	nacttancca	ggctgaactt	g		461

<210> 516

<211> 475

<212> DNA

<213> Homo sapiens

<400> 516

gtaaccacaca	gcctcatcct	ggggaagcga	gaaatggtaa	cacataactg	gccaccgtcc	60
aagctcctta	gaatagaagt	tcattgggag	aagcatccac	atgtgcactc	acatcttcag	120
aacgctgcgc	ctcctgcccc	caaacacata	gacctctgcc	ttttcaaagg	caaaatttga	180
tccattaatg	ttccccagtg	ttggtttcat	aaagcgtttg	gatgggccc	tcttcacaaa	240
tgaataaaaa	tgagtaaagt	cctcagaatc	aaaggaaagc	caggactggc	ttccagaagc	300
acgaggcaac	ccagagagtc	catctgcagc	caaaccatgc	aacagaccca	gccacagctt	360
agaggctggc	aacaagtctg	cctgcaggat	ctgccaagga	accagatgct	gttgcttcca	420
aagcttggca	tcaggggccc	tgattgccat	tcaacaaaga	ggaaaaatag	gggat	475

<210> 517

<211> 371

<212> DNA

<213> Homo sapiens

<400> 517

gaaacaagtt	ctagtggaa	tggaagctc	attcaacaac	caggcatcat	ccgcccacca	60
ggatctcatg	ctcctaaggc	accggctcac	tccaggagac	tgagatggct	gaaaatgaag	120
aacagggaaa	cttggaccca	gagacatact	cagaggaaga	acgctgtgtg	aaggcggagg	180
cagaggtcaa	ggggattcat	ctatgagcca	cagactgcca	cagactgcca	gccaacctc	240
accagagcca	ggagagaggc	acagggcaga	gtctacctca	taccctcag	aaggagtcaa	300
cgggtgctg	accttgattt	ctgaccttta	ccttcagaac	tgtgagacaa	taaatttcta	360

ttgtgtaagc c

371

<210> 518

<211> 216

<212> DNA

<213> Homo sapiens

<400> 518

ctacagagct	gcatctgaaa	cactggctct	agcatcccct	atgagcccaa	ctgcagagaa	60
gggggctgta	gcccttgaa	ccatgtgaaa	taagacctga	agtaaccg	atgccagtgt	120
ttggccaccc	ttggctgaaa	taacatattt	accagcaac	aaagctttcc	catccatttt	180
tatttaagag	agattttaaa	taaaatctag	taaatg			216

<210> 519

<211> 483

<212> DNA

<213> Homo sapiens

<400> 519

accagtttga	agcagaagaa	tgtcctgata	atggcataga	gccaaagcga	ttccatcctc	60
tggacatgag	ctgtgtggtg	tccccgtcct	catacctatt	ccagaaccac	actggtccct	120
gctctcgtct	ccgaactgtc	ggaggacgga	cctgcttttg	caaggacctg	aactccctgt	180
gttgttgctt	aagattttta	cccaggcatg	aaaaggaaat	gaattctgcc	aactcatcgc	240
tgtgtctgtg	ggaacagaaa	ctcagggcac	ctattctctg	caagaaaagc	atcaattccc	300
tgtaagaaaa	gtttcccacc	tgagacaatg	acacagacca	acataaatgc	tcttttggtt	360
ttatgatttc	tgatattaga	ttttacttga	tttttttaat	tttaattttt	taaatttcgt	420
tttgagagtt	aaaagtgtta	cttcttttat	ttccagcagt	tcaaggaatt	tcagagcaat	480
ctt						483

<210> 520

<211> 233

<212> DNA

<213> Homo sapiens

<400> 520

ggaaaacaca	acacctcatg	cagtgaagga	ctgaagctcc	tcttgggctg	gtattcctga	60
ggcagaacac	aggtccctca	ccccgatgcc	cacgaccact	cagtaacaac	atctaccacc	120
attcggaggc	aagacaaact	gcatgagtaa	cccagcacag	ccactcagat	gtcacttcct	180
cctggtgaag	aagcagaacc	ctagattcac	aaaataaaca	gtcatctaca	ggc	233

<210> 521

<211> 366

<212> DNA

<213> Homo sapiens

<400> 521

ggtgggggaa	tggagtctca	ctctgctgtc	taggatggag	tgcggtggtg	caatcttggc	60
tactggggac	ctccgcctcc	tgggttcaag	cgattctcct	gcctcagcct	cccgagtagc	120
tgggattaca	ggtgcccgcc	accatgcctg	gctagttttg	gtatattttg	tagagatgga	180
atttcaccat	gttggcaaa	ctgatctcga	actcctgacc	tctcaggtaa	tctgcccgtc	240
tcagccttcc	aaagtgctgg	gattataggc	gtgagccact	gcgcccggcc	tatcattgct	300
gtattttcaag	tacctgttta	ccttgtaggg	tctgccctac	caaattaaaa	gcttttaaagg	360
atggac						366

<210> 522

<211> 368

<212> DNA

<213> Homo sapiens

<400> 522

acaaccctct	cacagagcac	agagcgcttc	acctatgctg	ctgcccggaa	tccgaagaat	60
gtggagaaa	agagcctgcc	tccacctctt	cccagctgtg	ggggaccata	ataatacaac	120
ttcctcctcc	ccaggcttcc	cagcaccac	agacaacgcg	caaaacacaa	tttaaggttg	180



```

accgacttta caaaaggcag gcacgcctac gcgatgagca ctggatctaa gcagaaacgc 240
agagccgccc aagccaggct catcctggcc ccgctctgca cctcatgcca tgatgtaccg 300
cacaggcctt ctgaggggggt tcaaattccca tgtcaacaaa aggaaaaatt aaaggcactc 360
taatcggt                                     368

```

```

<210> 523
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

```

```

<400> 523
ggagcagtgat atactcttgt tgtgggatga gtgatgaaat cacaccacgg gtgcccattc 60
caggcagggtt gaattgcccc gggcctacag aaaacctgac ctctacaag acagagacac 120
caaatgcccc ccgatggaca agcagaggac caaggggttc ctggtgttca tcgtgcagga 180
aacactgcaa acagctgggg agatgggaat acttgacaac cacctttcac gtccagagat 240
gaccaactag gaactgtcct ccccatcac ccacacccca gcacagtgat tactcagcca 300
aatgcctgca gggccagcag gtaacaccca tgactgaagg tggcgggggca aatattacaa 360
caggagagagg tggaacaaat ttgggctcgt atgccctaga taagaggatg accaccgcc 420
aattccaact gggaaagcag gcccctgtgt gccagacctt nagaattttt cagaaaaact 480
ggaaatt                                     487

```

```

<210> 524
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(325)
<223> n = A,T,C or G

```

```

<400> 524
gggctattac ctttngnccc ncnaagtgga aaaagnngna agggggggggg aaaatgggtg 60
gagccctnga naacagacca cttcaccaag agggcccaag gtgattngta aaaagaagac 120
cattncncca ttccttcatt ctggacccat tctaccaaag cctcaagaaa gaagaagggg 180
cctgggaaac aagcttcctt ttcccttcac caagccttca agaaagggaa attcaaactn 240
ttgnccccc attncttcat cttggggaac tttcccaatt ttcttgaac tttgggagaa 300
aaaataaaat tttcttggtt atttt                                     325

```

```

<210> 525
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

```

```

<400> 525
attcatagcc natgatgatt aattggagat gggatttttg aaaaccttcc tagccactta 60
gctaaggggc agctttcccc taacactctc gtgattgggt tgaaaatgaa acctgctctt 120
tccagaacaa tgagaatgct acctctgccg acaacattcc catccaacta agatcaagcc 180
agattgctct tgagtcattg gttagtaacc catgggaaga ggaagagtag ctgcagttga 240
cctataaaact ctgccttgcc cttgtcccaa gctaattcct attacatccc acagactgtc 300
cctggagtca gaagtgtgcc ccagacttgt cctaattggc tagcacagtg ggaagttgtc 360
caagaagtca tggatcatca agagaccttc agagaccact taattgtaca agactttatt 420
tgncaactnc taaaantnct gagtgccatg ggacaaggca aggaagatgt anttgctggg 480

```

caagaaaagg gagca

495

<210> 526  
<211> 355  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (1)...(355)  
<223> n = A,T,C or G

<400> 526  
gaataaagan ccttttnnac tcnctaagt accgggattg aaccnecat caagaaattg 60  
gagcnaagtt actttgtggn ttaacaaagc attaggaaat gggactctca agctctctca 120  
aaaagtatca aagaagtga attcatcaga ccactgtgtc gagacaatga gacgccagat 180  
gccagattcc ttatttgtca tgattgtctc cttagccctc cctagtctct gttttcctgc 240  
tcataagtta catttcttcc ttgctatata atccccta atcgggctggg tgaggagatg 300  
gaattgagac tgatatccca tatecttaac tgtagcatgc aattaaagcc ttctt 355

<210> 527  
<211> 521  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(521)  
<223> n = A,T,C or G

<400> 527  
ccatctgcaa ccagagttga gctgtgaaac tgcagtcaga gaggagggtg tggcttagtg 60  
caaatgtgga agtctcagtc atacagaaga aaatgaaaag cctgttcttc ctcttcacag 120  
gattgtgaga agcagggatc ttgaggtctc aaatgcccta ttggaggtca ggctctggag 180  
attccaagat gaccacacaa tccctcctcc gtggaattca cagttctgag acaagacaga 240  
gaccaagcag ctccaagccg gccctctgtt ttataaaacc aagttccggg ccaagtgtgg 300  
tggctcacgc ccgtaatccc agcacttttg gaggccgagg tggccggatt acctgaggtc 360  
acatgttcaa gatcatcctg ggcaatgtgg tgaaacccca tctctactaa aaatacaaaa 420  
antaactggg cgccgggggtg catgcctttt gatgccagct actcgggaag tctgaaggca 480  
aggaagaatc gcnttgaacc ccgggaagtg gaaggttgca a 521

<210> 528  
<211> 510  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(510)  
<223> n = A,T,C or G

<400> 528  
ngntctncta agactacaag ggaacactgc gactttccct gaggcttttg gttactggga 60  
agatgaggaa ggataaatgt gaagttgtgg actgttttaa attccacctg accattctgc 120  
tttcttgagc aacctaccca cgccaattta gtactggctt tcttcagagc attaggacaa 180  
tgggattctg tctacagctg tgccatgaac ggactctgat tccttaggca aagaatctct 240  
tcttgctaaa atagttaatt tgaaggata acaggaatat ataaaataat gtctcaaagt 300  
gttttggtca cctggtaaag aactagattt cacatgaatg caacataatc agtactatcc 360  
ttagctattg atgacatatc taaatgggac attcngggca ttgtccggag catgctgaca 420  
gaagcattat attttcttaa gaaaacttaa tggngccctc atttgaccac tttttancat 480  
gttccaaacc ttccanacat tgggatttaa 510

<210> 529

<211> 504  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(504)  
 <223> n = A,T,C or G

<400> 529  
 agaaccctga ctaatacaaaa tgtggaagga ctagactggc ttagtcttca ggcctacatc 60  
 tttctcccgt gctggataat tcccgccctt gaacatcata ctccaagttc ttcagctctg 120  
 ggactcagac ctgcaaccac cgactgtagg ctgcactgtc agcttcccta cttttgaggt 180  
 tttgggactc agactggctt ccttgctcct cagcttgccag ctggcctttt gtgggacttc 240  
 accttgtgtc gtttgctgaa gcacatggct gaaacgcttt cccaaagagt tgtgccagtt 300  
 tctactccaa acagcattag agaggaatct ggacctgctg cctccaaagt tgcctctggt 360  
 tctgaaatct tatggctacg attctatcac aaaattcaca acgatgctgg aagtggttct 420  
 gctgtgacca aanggggagg tnaatcatcg taaccccaaaa aggatgcata atggaantat 480  
 cataaggatt tgaaatatgt ccta 504

<210> 530  
 <211> 513  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(513)  
 <223> n = A,T,C or G

<400> 530  
 gcacaaagga agactacatt tcccagctctg attgtatcta tgtggggcta tgctaccagt 60  
 tctggcaaat ggactatgta ccagcagcac gatataccac ttcattgccta gcacctacaa 120  
 tctgcaagac agcatctgca ttctcctctc tgtctactgt aggattatca gtgtccagca 180  
 aaaccaggac attcaccaac atattttgtc aaatgacaca gcaagaaggc ccttaccaga 240  
 tgccagtcct ttggtcttgg acttcccagc ctccagaatg gatctgagtc tttgttttct 300  
 gctcaacaag ctgctgagca gcaatcccag ccccagggcc cagagcacct tcctctggga 360  
 gtccagcctc angactgtgc tctgacctgcc cctactgcac angcctcaaa accaccacc 420  
 tcaacttctg ggtcaagcac agtcaagaag caaggtaaga ngctgngctt cactggatga 480  
 actctatgaa tctgcntttt cgtttcaage tgt 513

<210> 531  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(501)  
 <223> n = A,T,C or G

<400> 531  
 tcttccctaa aggcttgatc aattcagctt acttaatcac aaaactgtaa cgacagaata 60  
 tttgcaagac ctattcaaga agtcttcaca aatatgaaaa tctctctcct tcattacgtg 120  
 aaaaagacac ttgcacatgc atgtttatag cagcacagtt cacaattgca aaaatatgga 180  
 accagcctaa atgcccatca gccacaagt ggataaagaa aatgtagtat acattcacca 240  
 tggataacta ctcagccata aaaaggaata aaataatggc atgtgcagca acctggatgg 300  
 agttggagac cactattcta agtgaagtaa ctcaggaatg gaaacccaaa tatcatatgg 360  
 gagctaagct atgaggatgc aaagggataa gaacggtata atgaaccttg gggacttaaa 420  
 anggaaggat gggaaaggat gaaggataaa aaacttcnca ttggctncag tgtacactgn 480  
 tcgggtgcca ccaaatcttc a 501

<210> 532

<211> 500  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(500)  
<223> n = A,T,C or G

<400> 532  
gggtctactgc atagaaaaca ttcaaaaata tttgtagagt aaatgagcaa gtgtcaaata 60  
catgaatgaa ttgcatggca catagtactt aacaggaaaag agacagaaaa gcgttgatat 120  
gaagaatttc taaaatcctc atatgaaatg agtaaaatta aggataaatg aacttggaag 180  
accaaaatgg cttccatatac tttccaaatg ctgctgctga tttgttcaca tagaagccta 240  
ttcatcatcc tgcaagatga agttggatat ctttcaccgt ctttttgaag tcatcatcag 300  
ttttcctctc ctacccccag gcatgagttt tgtatcactt acatttatgc tccacaatgg 360  
gaatattgat ttggcccaaa taaagacatt caacaaattc ttaatgagtg gatcaatgga 420  
agattnctgc caaccaaatt ccanggnaat ccttgagttg cacagtggan tggcattctc 480  
tttggattca ttttcctaata 500

<210> 533  
<211> 375  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(375)  
<223> n = A,T,C or G

<400> 533  
actttgcccc ccattngaatt ccctagtacc tgtaataacn gactggccttg gagttggcag 60  
ccaacaaaaa tttgtcgaac ggatgaacga aatgaaggaa cgtgagaggt acacaggaac 120  
cacaatcata taaggcaaaa cttgccatgt ttggagtggg gcagagcctg gaaggcccg 180  
acaaataagg gcatgtaaca cccttcaga cagcaaggat tttaaatgga ngatccctaa 240  
atggccccga aagaacttca cccttgnta ggaaggcttc aaccatttcc cccaccctta 300  
accttttttt aaaagganta caaaccaaat tccaaaaact tttaccaaaa ccttngnaaa 360  
ttttcttaag ccttg 375

<210> 534  
<211> 599  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(599)  
<223> n = A,T,C or G

<400> 534  
atcatgnaaa ctagnaggat ttccgggacca ttcaagcaaa accaccattg gaaaaagggt 60  
cgtgcaccac anatnggtgg tttttaaaac caccaaggaa attgggggtg ttggaaaatt 120  
ggaaaagnaa gccaaagggg cttttttatt ttggaaaatt ggaaggggaa aaaccaaggt 180  
nggaaggcct tcccgcgggg atttttaattc cgganaaaaag nggggtccac cttggggatt 240  
ttggcccttg gccacccaag gggttttttt tggggaagac cttggtcttt tttcccttaa 300  
gnaccaattc ccacccccggg gaatttnggg ggaagaccaa aaaaaatagn ttggnntggc 360  
caatttttgg gaccaaaaac cggtttaacc tttccaaggg aaaaggaaat ttttaattgg 420  
tttttgcccc caacccccaa ttnaatttgg gaattttttna attccnaaag gncnccaac 480  
cccaaattgg ggcccttttt aanttccccc ccctttgggt tgcccaanaa ggggaaaatt 540  
gggaaatttt ttaaattttt tccccccaat ttaaaagggt ntcccccaa cccaaaagg 599

<210> 535  
<211> 381

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 535
agactaccct agcattaagn tncaagnaac taggagnctn gcctngcaag accaaagncc 60
cccttgccac cattggaaag gaaagccccc attccttggg tgggggttagn ggaaggaagg 120
aagggttgat ggccccaacc accaccacgn aaggaaaaaa aaggaaaaac cggaaggaag 180
gaaggaaana aggccacgga aggaaggacc acgcaaggac cagnaaggaa ggaaggccgg 240
aaggccattt tcttggaaaa gggcgccaag gccttcccc cttttctccc ccttggttgg 300
ccttttcccc aagagggttc ccttggttgg ccttttggcc ccaaaattaa aaaaccttgg 360
cccccttttt tttttctttt c                                     381

```

```

<210> 536
<211> 630
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(630)
<223> n = A,T,C or G

<400> 536
ctgggggggg gagnccttacc ctggcattta aagggtgcang gaactggnag gataatnaaa 60
tggaaggat tcttgggnaa ccttggaag gatagcccat tttccattac caaggcncca 120
ttcctttaa cccctnaaa aaaggggaaa aaaggcctnt tttggaaagg ggggcccana 180
ttggaccagg aagggattaa ccatnaagna aaagttttgg ggaaaattct tgccaaattg 240
gaaaagcctt ggggattttt taagggaagn ggcgttttac cccccacacc tnggaaaagg 300
tttaaaagg gattttaacc ttttggggcc ttggccatt aaggccaatt aaaacaaaa 360
ttggaagg tggaccttgg aaaaaaaaaat tccaagcaa aattttttcc aagggaatta 420
aaattcttaa ttctttaacc tttttaaaaa accaatnggt tttttaaaaa aggttaattg 480
ggttttttt gggtgttttt ttgggccaag gnaacctttt ttttttttgg ccaatttaac 540
cctttttaaa ttttttttcc ttaacccaa tttggggggn gtttttnaaa aaaaatttcc 600
cggaaccct tngggttttt tttttttttt                                     630

```

```

<210> 537
<211> 258
<212> DNA
<213> Homo sapiens

<400> 537
agtgcctgtt cctgcctgct cggtgactga gctgatctct ctaggaatga cctgtgtgct 60
gatcaagccg acacgtctct ttgcttccc acgtcctgat atggcagcaa agggtggttag 120
aatgaagtca ttctgcaaaa agaagctgtg agaggaaata cagatgcagt ggctgaatat 180
gaaagtgtt atgttcccaa aggaagaaaa tgctaaatct caattagagg ttggaagaaa 240
taatgacgca gtctttttt                                     258

```

```

<210> 538
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 538

```

```

ggacgttctt  gggggggaag  cctacccttg  gccatttaaa  aggttcaagn  aaaaccttgg  60
aaggaaattc  ctttttttgt  taaaaaaaaa  atgggggaag  ggaaaaggac  cccaattccc  120
atttttcctt  ccaaaccaat  tttgggaaaa  ccccaatttt  gggggatttn  cccacaattt  180
aagggaaaaa  aaatttttgt  taaaaaaggg  ggccccacaa  ggaaccccc  ncgggggaat  240
tataaggggg  aaaaggggga  aaattttttt  tcntttcccc  tttnggacct  cncgccccna  300
aaaaaggaaa  cctggggagt  tcnttttttc  gcctttngtt  gcccaaaggn  cccaancctt  360
ggggganaaa  naaaaattgg  ggggaccagn  ttaacccttt  tttttgttg  ctttgggaacc  420
ctttacccaa  acccaatttt  ttctanaagg  gaaaanggga  aggggtgnc  cccncccttc  480
ctttttccat  ttccaaattg  ggtggggggt  tggggaagg  aaanattttt  ccaatttggg  540
gggggggggg  ggggggccct  tttccngnaa  aaaaaaaatt  gnggaaaagg  gaaaaaagg  600
nccnttttta  atttgggccc  ccnctttttg  ggcnccccc  caaaaaaaaa  aggnaaaaaa  660
ttaaatttgg  gncccnnttt  tttncnccg  ggaaaaaaa  ggnaaaaaa  ggnaaatttt  720
aaannngccc  ttngggggcc  tttggtttcc  cccttggg  758

```

<210> 539

<211> 240

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (240)

<223> n = A,T,C or G

<400> 539

```

gatatgatgg  gtgaaattct  agaatccacc  ctggaccatg  aagactctgg  actatactct  60
caggatggga  gagcagttag  ctggaaggag  tctggctcct  tgagaaggat  ggagccccca  120
caccacaagt  cccggactgn  ctgctttact  attcagcctt  aacaaagaag  gaaatcctgc  180
cattggcaac  aatgtggatg  aacctggagg  acactgtgct  aaataaaata  agccaaacac  240

```

<210> 540

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (516)

<223> n = A,T,C or G

<400> 540

```

aggttncaga  aactggaagn  gnctctctcn  cacctncaan  tggcnnggna  nnncnagaag  60
ggggaaattn  cannacacaa  gaactctcgc  tggttgggat  cttcagaaat  cgttctcctt  120
ggntcntcaa  acgcnaggac  tactatgctc  gccaccatc  caaatcgctt  gcgcgtaaga  180
gggtaatttc  ctagagcgta  agctnancca  ttnancattg  gctacacacc  acaaancgcc  240
acccgngggg  gtgatanaat  tttttggnca  attaanattg  gacttngggg  aggaatgnnc  300
anctagctct  tttacaatta  aaaattgggt  ttaggacctc  caaatgggcy  tgaaagtaaa  360
tatanaaaaa  cgttggcctt  gggggggcat  actaaaaaat  ttgccctttc  gcaatctcat  420
aggaagacta  tcgagcccc  ntntacgcaa  gnaactnttn  gcaaangggg  caatttaaag  480
acaccaacgg  cgaccaaat  ttgggaaggc  ccctc  516

```

<210> 541

<211> 271

<212> DNA

<213> Homo sapiens

<400> 541

```

ccaagaagcc  ttaattaaca  tctgttaaga  actagaagat  gcatccact  ctttactttt  60
tattcctaata  tctcatccat  aactgaaaag  gttaacattt  caaatgggat  tacagaatag  120
tgatgtcact  ttcctatatt  catataccaa  gtcaatgttt  aaaaatagct  tatgttcagg  180
agaatggcgt  gaacccggga  ggtggagctt  gcagtgaagt  gagatcgac  cactgcactc  240
cagcctgggc  gacagagcga  gactccatc  c  271

```

<210> 542  
 <211> 331  
 <212> DNA  
 <213> Homo sapiens

<400> 542  
 ctgggtttgcc atcccccggt cagcatgaac aacagtaacc atcttgtaaa cagtggcaat 60  
 gtgggctatg catcttacct gcttgagcaa gagaagaaca aaggatatct acctggacag 120  
 gtgagaatth atatcattga aagcttcac ttgattcact gagtgtcatc attcatgctg 180  
 cattcagaag aggtgattca aatctccaga ataaagtgtc atcatcaatc tcacatattg 240  
 gtatgtctga atagacagca tttaccatcc tccctaattgt ggaaagaaaa ataaaaaatg 300  
 agtactaacc atttgctttt tgtgttaaaa a 331

<210> 543  
 <211> 111  
 <212> DNA  
 <213> Homo sapiens

<400> 543  
 gaccatcttt aatcaaactg aattaactgg cctgtgcaga ctgtctttat cctctaagat 60  
 tcagggatac tggcctgtga gtttcagcac cgactttctg gaactgtaaa g 111

<210> 544  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(378)  
 <223> n = A,T,C or G

<400> 544  
 ccaattactt ctgactttca agactcttgt atttcaactgg cttagggaaa atcaagctaa 60  
 gccctaagtg atggttggat catccatcca gttctttgct tcctctagct gatatccttc 120  
 tttgctgtac tatatgggaa aagcaagaaa tattgtgaca ccaaaaggga ggagttttgc 180  
 tcttgtgtgt ccagctggag tngcaatggg cngcngatac tcagnntcac ntgcaacctt 240  
 ctgcctccct ggggtttcaa gtgatttctc ctgccttacc ctccctgnag ttaagcctgg 300  
 ggggaattaac aggggccacc cttgcccacc caccgcccc cgggctttta attttttttt 360  
 ggcaattttt ttttaaga 378

<210> 545  
 <211> 110  
 <212> DNA  
 <213> Homo sapiens

<400> 545  
 ggccctggga gagtgggttg agagaatgga agtgaagagg aaggcttcac catcacctta 60  
 actaacatgt gtttcctacc gttaaataaa cattatagga ggcgcattat 110

<210> 546  
 <211> 70  
 <212> DNA  
 <213> Homo sapiens

<400> 546  
 gtatattagt tcttatatga atgacacgaa gaaacaatga aattgaagga aaggaagatg 60  
 aacgctaagg 70

<210> 547  
 <211> 181  
 <212> DNA  
 <213> Homo sapiens

<400> 547  
agagcagaga aggggagaag agaagcatgc agctgaacac cggagagaag tttgactcca 60  
gagggatggc ttgatgggtg gacttcagga gaagaatacc ttctgtctcc atcccccttc 120  
cagctcccct tcccactgag agccacttcc attggcaata aaatcctcct cagtaaccac 180  
c 181

<210> 548  
<211> 342  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(342)  
<223> n = A,T,C or G

<400> 548  
tcccacagcc ctgtgaccaa aagactggga gtgtatgtca ggcctctgag accaagccaa 60  
gccatcgcac cccccgtgac ttgcacgtat accgcccaga tggcctgaag taactgaaga 120  
atcacaaaat aagtgaatat gccctgcccc accttaactg atgacattcc accacaaaag 180  
aagtgtaaat ggccagtcct tgccttagct gatgacatta tcttgtgaga gtccttttcc 240  
tgggcttcat cctggctcaa aaaagcacc ccactggagc atctttgcga nccccacttc 300  
tggcccgncg ganaacaaac cccccctttg actggaaatt tc 342

<210> 549  
<211> 267  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(267)  
<223> n = A,T,C or G

<400> 549  
aaaccaattht ggcccgggtg gcccttttac ccaaaaaaaaa acccggggga aaagggttta 60  
aaaaaaggga acctttttaa aaggcctttg ggaattttcc ccccaacccg ggaaaaaaag 120  
gcccaagggt ccaaaaaggna attggcccaa ggggggggaa anggcaaaa gnggttgant 180  
ttttggggaa gnaaaaaacc ttttaaccg caaccttggg ccccccttt ggcccaaaaa 240  
aaaattaatt nggtttcccc cttcggg 267

<210> 550  
<211> 331  
<212> DNA  
<213> Homo sapiens

<400> 550  
agtttcgctc ttgttgccca ggctggagt caatggcacc atctcggctc accacaacct 60  
ccacctcccc agttcaagcg attctcctcc cttagtagag atgggggttc accatgttgg 120  
acaggcttgt ctcaaactcc tgacctcatg atccgcctgc ctccggcctcc caaagtgtg 180  
ggattacagg catgagccac catgccccgc ctatctagca ccttttaaaa gtctgaatgg 240  
gaaacatttg ccacctattg cctctaaggg tggccacctg tgagacttca tctacattaa 300  
taaaactaca tacaatttat ctacataata a 331

<210> 551  
<211> 330  
<212> DNA  
<213> Homo sapiens

<400> 551  
gaaatccctg aaaaaccaga tggcacaagt tactcagaag aaatgaaagg attttccatt 60  
attcaaatag gaggtggaag aggaagtgtg ggagtaatta ctggattaag atcactgaaa 120  
gacaagattg tctttaagga aacagaagac tgagaagaaa agaagcttgc tcaaggtcac 180



atagagctgg	aatttaaatt	cagatctatt	atactcttaa	ggactgtgga	aggcttttag	240
agcaaaatct	gatccagaga	ctgtggatgc	tggaggagcc	gtcaaggctg	gggaaagtaa	300
acatgcactt	gtgttcgcaa	tcaacagaaa				330

<210> 552

<211> 330

<212> DNA

<213> Homo sapiens

<400> 552

tggttttgcc	gttggttactg	ctcacctggt	ttgattcagt	ggcgtcgcgg	ttgggtctctg	60
ctacagtcca	ttactcacag	tgccagcaca	tgttttcctta	aaaagcttca	tcaccatcct	120
cctgcaatgc	gaccttcacc	ggctccccgt	tgcttgccca	ggaggataaa	gtccaagttc	180
tccgtgtgaa	agaagaccct	tcacacgcta	gtcccagcct	gtcttcagcc	cagcccgtg	240
tgttttcctt	cctgccttat	cctaagacat	ccttaccttt	caatcacact	cacttttccg	300
aagcattttt	gaaggatttg	agggagttct				330

<210> 553

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(338)

<223> n = A,T,C or G

<400> 553

cttaaataag	tggatctctg	gataagcggc	ctgactgatg	agagaaagag	ctggcttttc	60
ttccgacaat	agttgttgtg	acctctttgc	ggcaagaaca	gtgatagaac	agacattatc	120
atcaggagaa	tcagctcgta	aaagccacnt	tcttggcaca	tcaaaggaaa	acctggactt	180
tgaattctct	gtgtgatccc	aagtaccaga	acagccgccc	agcaggggct	ctggaaatgt	240
gccctgaaaag	aactcagaca	acaggagacc	ctccttcagc	ttncagggct	tgctggccat	300
ttgcacacag	aaggggagcag	ccttgttggt	tcaaaggg			338

<210> 554

<211> 237

<212> DNA

<213> Homo sapiens

<400> 554

gaagctgtca	aaaatgtttg	aaagtcactg	cacaaaagaa	gagtcaccac	tggtcagttt	60
tgcagtactg	gctaaagcat	tcagatgccc	caagagtcaa	aaacacaata	acgaaatagt	120
gagactccga	ctcaaacaac	aacaacaaca	acaactctca	tctttttgcc	tataaggaat	180
tattcttggc	ctctgttgtg	caacttcaag	taaaaggacc	taacctactt	agaaggg	237

<210> 555

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(331)

<223> n = A,T,C or G

<400> 555

tcagctacgg	tgaagctatc	taaaccgggtg	gctctatgga	cccagcagga	tgtctgcaag	60
tggttgaaga	aacattgtcc	gaatcagtat	cagatctaca	gtgagtcatt	caaacagcat	120
gacataactg	ggcgagccct	gctgagactt	actgacaaaa	agctcgagcg	aatggggatt	180
gcccaggaga	acctccggca	gcacatctta	caacaggtgc	tccagctgaa	ggtgcgagaa	240
gaagtcagaa	atctacagtt	actcacacaa	gcattattct	gaggggttct	tccattaaac	300
accggnatgc	cnttccaagc	tgcttgctct	g			331

<210> 556  
 <211> 218  
 <212> DNA  
 <213> Homo sapiens

<400> 556  
 ctccgcccag ggagatggag acagagggcc aaagagcagg agatccgctg gacactcgcc 60  
 gaagagcggg agatcgctgg acactcgccg ttggcatcat gtgggggtgct ccatggcttc 120  
 caattggcca aattcttttc agtggttaaaa tgctgtaaaa tataaaacgt atgtaatttc 180  
 ttgacaaaaa ataatactat ttcaggtttg actctttt 218

<210> 557  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(330)  
 <223> n = A,T,C or G

<400> 557  
 gccaaagaac anggaggaag actgagaaag aacgtgaagg ccatctcttt cccacaggcc 60  
 cttcgcagga ggctccggac tgctccccgc actgcgagat gcctctgtga gccgaggagc 120  
 tgtaaaacac gcagcgggag gcacatggga tgccggatgc caagctgtgt gcatgggaca 180  
 gactgagcaa cccaaaggag cctgctgtcc catcaagcac gtggcagtcg gggcatccca 240  
 tggacaatgg aaccgtgcat tgtgagtcca tgtgatgaac cagcgcacgc ggagccacnt 300  
 gggtccttcc cttcaccctg catcagtcag 330

<210> 558  
 <211> 172  
 <212> DNA  
 <213> Homo sapiens

<400> 558  
 gtggcctcag acagaatgac aggcaccagt cccggacagg acacgcacaa cacaaaagct 60  
 atgggaggta gaatcaaaaag taccagagcc caagagccgt ggaagatggc tctccgattg 120  
 ccttcagaca agcaccctta cctgaatgct tgcagaataa acagactgcc tg 172

<210> 559  
 <211> 336  
 <212> DNA  
 <213> Homo sapiens

<400> 559  
 aggagaatac aacgttttgag atggatgagt aatctgctga agatcactga atgaatgtgc 60  
 aaggaaacca taacataaat ccatgtctct ttctactact caattttttc ctgttactaa 120  
 tatcattttt aaaaataata tttatggggt tacaatttat gtttaataag ctttaccat 180  
 tttaccacgt tatgacccaa caagaaagcc ttcaccagat gcggccactt gatgttgaac 240  
 ttcccagcct ctagaaccac aaggtcagca taatatTTTTT caaactcatg catgctcctg 300  
 catatatcaa tagcctcatt tggtttttat tgcattg 336

<210> 560  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<400> 560  
 ccaacttcag gactgattga tcatgacttc tataaaggag caggcagcaa ttagcaggct 60  
 cttaagtttt ttacaggagt gggacaacgc tggcaaagtc gcaaggagtc acatcctcga 120  
 caagttcatt gaaaccaacc aaggcaagac tgcccctgaa ctggagcagg agttttccca 180  
 gggagccagt ttgttcctgg tacgcttgac cacctcgctt agaactcactg acttacacct 240  
 atggtcccag ctgcttggga ggctgaggag ggaggatcac ttgggccttg gaggtttgaag 300

cttgcagtga gctatgatca caccgctgtg ta 332

<210> 561

<211> 62

<212> DNA

<213> Homo sapiens

<400> 561

aaatcatgcc caagttcaaa caacgaagac ggaagctaaa agccaaagcc gaaagattat 60  
tc 62

<210> 562

<211> 332

<212> DNA

<213> Homo sapiens

<400> 562

accagctaga gggtttatcaa ttttgggacg tgcctccatc tcatctcctc agactcgggtg 60  
tttcaacaat ggcttttgctc ctccagtcacc tctctctgga aggatccctc aatggatgag 120  
tacacctgctc tctggatggc acatgaagcg tggggggcaga atcaatccac attgctgtct 180  
gaatgtagta ccactgctag aagcagggtca atcaacaacc aggcctacag gaggagggag 240  
gaagaagaga ggctgctcta tgtcctcctt ttgccccttc ccacacacag taagatgaag 300  
atctctttcc ttgcacccct cagtctcctt tg 332

<210> 563

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(308)

<223> n = A,T,C or G

<400> 563

gaggcagctc tcctccagtg cggccttgga aggagatcct acggctgccca ccaggcgcat 60  
cgcattccct cctctccatn cttgatgccca gagtcttccc ggggtgtgatc tgcttatcac 120  
ncgtcccctc tgaggacagc tctgaagacc agcttctctg acttgcaactg tgagaccagt 180  
ggctgggtctg tttccggtga gtnggggngc cctctttgac tngaccacan tttccttggg 240  
cccatttctt tttccccttc cccctttgaa gaaagtctac ttggnccctnn gggggggcagg 300  
ggggggtta 308

<210> 564

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(354)

<223> n = A,T,C or G

<400> 564

agccagcccc acctcccagc ctccctcgga atcagcgtgg ccgtgcgcct gaggttctagc 60  
caatgggaga aagtgaagga ctccagagcc cctggagatg gaggatggag gagcctgggt 120  
tcttgnatcc tcacatggaa tgccagccac aaattggcat ttggactcct atatggacaa 180  
ggaataaatt taaatcctat taaggctggg tgcagtggct catggctgta atcctactgc 240  
ccttagaaga ccaaaaagcag ggaagatcac ttgaggccca ggagtttcaa aaaccaagcc 300  
ttggaccaac attaagtga accccgtctc tacctaaata aataaataaa tcta 354

<210> 565

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(350)

<223> n = A,T,C or G

<400> 565

```
ctccaggact ctacctctca tcaaggctga ccacgaagca agatgatgga agccaagaga 60
gctcctctgc atgctccact gtctaagctc tgctctgcat ctgccgtgat tcttcttcca 120
aacagaaaac accgtctttc tttttgacta catctgtcct cagagatggg gctgatggat 180
ccattttataa tttatgtgaa tttaaacctt tgcaattttt acatggaata aaaggaccta 240
ttttntggaa agaaaatgct gaacaagagc tganaacctg ggggccatct taangcaggg 300
ggttccctcc ttacaccctt gctgtcanaa agccanctgg ttggccattt 350
```

<210> 566

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(193)

<223> n = A,T,C or G

<400> 566

```
taccacttcc gctgtcacgg taaagtccgc catcagcaag actgaaggag ttgaaagacc 60
attnanacgc tcctttactc ttttagacat aagtgtntcn attgntaatn aantnttttt 120
tccaggcccc nccccnggtt cattnttgca aaatggactg ngcctcngac ntcctcnaa 180
aatgttcaac ctt 193
```

<210> 567

<211> 310

<212> DNA

<213> Homo sapiens

<400> 567

```
tttttgcgtg tcttcccacc tactgggttat gtctgattca gttccagcga ccttgaagtt 60
ggaaggaaaag cctctgccct tcagacttct tcatccctga gttgagtttc atggaaaagc 120
agcctctggg agtaacaagt acagatgcag tttcaccatg ttagccagga tgggtcttgat 180
ctcctgacct tgtgatccac ctgcctcggc ctcccagagt tctgagatga caggtgtgag 240
ccactgcacc tggccaataa ttttattttt aaacatgtaa gattctatct ctgaataatt 300
agttaaacct 310
```

<210> 568

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(317)

<223> n = A,T,C or G

<400> 568

```
gatatatggg acacctgcac cggcattgga tttggccccg caacatctta aagtgccaaa 60
acactatctc caaggcaaatt ggattcccca ggcagatgag aagatcacat tactcatggt 120
caaaatatta cccagttgac acaagtattg tgggaattttg tgcattngnn ggnagacaac 180
tgggtcttta tcttcttcca atgtcaaaag taaattttgg gattataact ttggcaatat 240
attttaagca gaattagtat attatgtaac atgtttttat aacatncctt attaaaattt 300
tgggttatgg actcctt 317
```

<210> 569

<211> 338  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(338)  
<223> n = A,T,C or G

```
<400> 569
gctgaaacct gcanaggccc cacttagtga atattttccaa gaaggagacc tgcagtcgcc 60
cacagaactt caccattggg ctatgcatag tgctgcttta ttggtaaaac aggaagatcc 120
aatttacacc taaccctatt tcatgttttg ccaacaatgt atccatggaa ggacccttca 180
tgtgagattc caactgcatt ctaaactc agaggacatt ctgcatgccc tggggtgtaa 240
gcactgccat gagatgtaaa tcccttgtga agaacagcaa gtaggcagct tnacctggg 300
cttcaccacc ttcattgaaga ctctcttgac caacgcct 338
```

<210> 570  
<211> 464  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(464)  
<223> n = A,T,C or G

```
<400> 570
tatccgcact atgaaagttc ntgaaccaac cgactacttt agnaggaaac aaatggncat 60
tgatgtcctt cccccccggg taaggcggac agtgcctaag acaagaaaat ttccggggaa 120
anaactngcc caaaaatngt taaaaaggac ccaccacccg gtatgntcat cttttgtatt 180
ttggggattt canaaanntc atttttttgg ntgnnggggg gcnaaagnac aaaacnttgg 240
gcttttttgg gcnantgaaat tttttattgg aatttcccc ntggggattt tatttgccca 300
naaaaggaaa aaaaaatttg aaancccccc aanaaaccat tntgaanctt ttggccaaag 360
aaanaattng ggcccntngt tttttgngat ggaaanggna aaaaaaagg accccttncc 420
aatgtaaaaa aaggcccaan ccccgaaaaa ggggggaacc cgcc 464
```

<210> 571  
<211> 358  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(358)  
<223> n = A,T,C or G

```
<400> 571
tctccctctg ttgccagggc tggagtgtag tggcgtgatc tcggctcaat acaacctccg 60
cctcctgggt tcaagcgatt atcctgcctc agccgcccc gtatctggga ttacagcagg 120
tacctgctac ttctcatgct tcattgtaag aacaagatct ggggccagct caacaaatc 180
ttgaacaaag aatgaagtaa gcagaccagt gtaaagagaa tgccatcatc aaagttcaga 240
ggccagggag atagaagctg gtaaaacat tcaccaagaa gccaaagccg ggaaaaaaag 300
ganggggtgcc ccaccagggg aatgactgca tgcaaacaga gcttggttat agtggggc 358
```

<210> 572  
<211> 348  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(348)

<223> n = A,T,C or G

<400> 572

```
ggccncctgt anaaggaatg aaaaaacaca caccancccc ttttaggcac ctcgnaaaat 60
gactaacatc caaaggcata gaaattgaca gcnaatacnc aataaaaacag gaactcccag 120
atcgaatgcc cacgtggaaa agtcatngag agagaaaactg actcaaagca tccgctgtgt 180
tccggggcca tttgngnggg caggatgggg gttaccgagg agtgttntgg ggccatgagc 240
acgggcgngc ggggtgaccc cacctcccaa ctgggggtgcc ttcaaaaact ttagtaaacc 300
tccctgtgac tncgcttctt cgngaacacn gtggntgcgg gaggattc 348
```

<210> 573

<211> 360

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(360)

<223> n = A,T,C or G

<400> 573

```
ttcttcgtag actctggaat ggagctggaa gctgtcatcc tcagcacact aacgcaggaa 60
cagaaaacca agcactgcat gttcccactt ataagtgaga gctgaacgag cagaacacat 120
ggacatatga aggggaacaa cacactctgg ggccctgtgag gtgcaggagg agcatcaaga 180
agaacagctg gtgggtgctg ggcttaatac ctgggtgatg gggtgatctt gtgcggcaaa 240
ccaccatggc acacatttac ctatgtaacn aaccttgaca tcctgcacat tgtacccng 300
gactttaaaa ataaaagttg gncaaaaaga aaaccttaac ttacttttaa aaaaaaagg 360
```

<210> 574

<211> 314

<212> DNA

<213> Homo sapiens

<400> 574

```
ggtgagaacc actacaggac aaaaatgagc tccttttttc cagtctcagc ccaggaggga 60
tcttcacaga gaaagcaagc ccagcccacg cccacagctg gctccctggt gccattctg 120
aaaggctgga cccatcctga cctgtccctg ccccaaggac tgccctggtga gggatggctt 180
accaacactg tgactcagtc cttccaacat gcccacagg tcaattctgg gatattcctt 240
acaggaatta atgagagcac attgccggta atgttggcat taataaaata acattttaat 300
ttaaaaattc cttt 314
```

<210> 575

<211> 363

<212> DNA

<213> Homo sapiens

<400> 575

```
ctccccatta tggctccgca accaggtggc gctaaagaga gaccctggaa ggatgcggga 60
ggaagcggag acctgctgtg tgcttgctgt ggccctaagc ttggcagttg gaccctcagt 120
cggccccagt ctcccgtgtg gtgtcacccc gtacttccag aaccagcctc atcttgcccc 180
tcagagggtac ctgctccagc ctgggtgacac tccctccgaa caagttctaa tctcacccctc 240
ccatttgacc cccaagcccc aggggtacag gcttccctgat accttaaggg cctccctttc 300
tgccctttctg gtttttggtg accagcaaac agttatttct attaaattct ctccatcatt 360
gtg 363
```

<210> 576

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(278)

<223> n = A,T,C or G

<400> 576

```
gcttgatgca gggcagcagg gcgatcttgg aagctccata ttgaagatgg tggagccaca 60
gtttgaaaagg agtctggggt ggaggagagc tacaggcgga tcaggaacac ccatcttgga 120
tttgacctga gtgaaaaata aactgcaatc attatgttaa aacacttgca tatttggggg 180
gattttttgt ttatcttgtg aaaatgcnc aataacctcta ttgtcataat aaaaatcctt 240
aaagttggtg ctaaaaataa acgcaatttt gaaaattc 278
```

<210> 577

<211> 85

<212> DNA

<213> Homo sapiens

<400> 577

```
aaacaccaac cattgagggt gagaccattt ccagaggaag aagcatgggg ccatcattta 60
ttaaaattta tgaaatgttt tgcgt 85
```

<210> 578

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(320)

<223> n = A,T,C or G

<400> 578

```
ttcttcatct gctgactatg aaacgattct agattgtttg ccaactaaat gtgatgcttt 60
cccaatcaac tacggcaggc cagatggcac tttcacttct acgggctccc tctgtggtgg 120
gtaaacgtgc agagaagact ggaacactgt cttccaggag cctagggttac actgatccca 180
gcacagcact tcctaccaag taaagatcaa ttttaaaaaat gaatgaagtc aactgaaaaa 240
gctcccaatg gccaaagctg gaacaatttg agcaaagaat aaagggtatgn tnggnttnta 300
nccccagaaga caaaataaat 320
```

<210> 579

<211> 652

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(652)

<223> n = A,T,C or G

<400> 579

```
aatagaggaa agccttcctt ccggaaaaga gcccctttcc ttcttggnng cncaagccng 60
ngaacaactt ccctaattct ngcccattcc cttcaagcca atngcttaat ccaacttcaa 120
agccttttct tcccaacaaa acaattcccc cttngcttca aagccaaaac ttaactgggg 180
tttttngtgg ggggcccaaca accaagaaaa gngtggcccc caaaagcccc cctngttgg 240
cggaagnaaa aaaggggttc cttggggcaa gccccaaaag ttggcctttt ttggaccaat 300
tggccccaag tnggttcccc cttgggggaat ggggggaagg aataaccccc aaaccacca 360
aattcccaac ccccccaagn gggaaggggt tgggggtaac caaaatttaa caaaaccct 420
tgggggggaa ggaaccttgg gggggggaat tggaaacccc ggggtttttc ctttccccct 480
ttttccccng ggnaaaggcc nttttttccc cngggnaaaa ntgggggggc caatttgggt 540
tnggggggcn tttttttttc ccccttgggn ggggggaang gggaaaaaaa cccttggggg 600
gggggggaaa aagnaaaaaa ccccccaang gggggggggg aaggaggatt gg 652
```

<210> 580

<211> 314

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(314)

<223> n = A,T,C or G

<400> 580

```
ggcaaggctg tgctttaatc atcttcgtaa cccaagtgt gatcagcgaa ccaaatacac 60
acagaaatac cttgcgccct ggttgctttt ctgtgctaga atcactccag acttcaatca 120
tcagcctgct acaagccact cccaagcctg ggacttaatc gccagcagaa agcacgtcca 180
cacgtcctct gttacctcct ctagatgcta aggaatgtga ctccaagaag attcaaatag 240
caggatccta cagcgttctg ccatcatctt attcaacaaa agtcttttgg ttnacaaan 300
acccattcat attt 314
```

<210> 581

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(328)

<223> n = A,T,C or G

<400> 581

```
actgagaaac cgangctcaa aaaggctgag gaatttgcct aagatcacac agagaaacgg 60
gaagctgttg gggccatgct gttggggcca gagcctacgt atgcactgcc tccagtgtgc 120
atggggagaa agcaaccac atcgactgct gcaatgagac agctgctttt cctgtgtttg 180
ggcaccgaat catctcatca gcccactgt gcaagttttc tcctctccat ctcaaagatg 240
tgggcaccga gcctcccatg gaataagtaa tttccctggg gtcacacaac ttanctaagn 300
ggcagcccct nggatccaaa ttgtaaag 328
```

<210> 582

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(324)

<223> n = A,T,C or G

<400> 582

```
ggtaaaacac cctcaaggat gggcactgca caagactgta acaacaagga acgtggcttt 60
gcctcctccc agcaacaaag tctaccacgg atcccccccc actctgattt cggctcagcc 120
gagaacttga aataacgggc ccactgcctc tgctccacga ggatccatgc catcatggca 180
ctttgggagg cctgtcacga gttacacagg cctaggctgc ccacacccca gtcagcaga 240
aaaagagaaac tgcaatccaa gtcagacaga tcctgcctgg gcntttccgc aaaaagcctg 300
gagagtctga ccagcaaaga aaca 324
```

<210> 583

<211> 238

<212> DNA

<213> Homo sapiens

<400> 583

```
gttctgtttt aaaattcttc cagtgtccag ttgccaatgg gattaaaagg aaaacgatga 60
ggaaaaagtt atctgaggtc aatctgcaat ggaatatgtt cctttcctgc ctgcttagat 120
gtcttctgat agtcacgaat tgattttagt tcatacttct gtaatatcta tatgcatgtg 180
aagcactgtc tgatgttaaa atataaacat catctatagt aataaactga gacactgc 238
```

<210> 584



<211> 427  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (427)  
 <223> n = A,T,C or G

<400> 584  
 gaactagaga gtggtgtaca caatccctag cagtactgac cctgcttggt ggacttaacc 60  
 ctgaagtcac aggtaatgtt atttaggaaa agtatctctg caatacacat actcttttag 120  
 tacaggtagt aggagctagt taggcttaga gcagtcctac ctcttagcca tcagtacacc 180  
 aaccaagaac catctttacc ataggaagag gaaagaaaga gccaagagng naagcctagt 240  
 ctagagtcta gagtaggatt aatntaccaa gccatagggg attttattcc tagtagccac 300  
 caagttttcc tccaaaaagg aaatccaagt ttagngtngn ggaaaaggaa atttcaaatt 360  
 ttgnggctta ttttgcccca tttggtaaat tccaaccacc ttttttcccc aattttaatt 420  
 ctccaat 427

<210> 585  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (459)  
 <223> n = A,T,C or G

<400> 585  
 gtgggatgcc tccatgagct ccaacaggca gcctcgccgg cctcccagct ctgctcagtt 60  
 gctcagcacc ccatggagaa ggtgaagccc ataatgaaca cactgccctg gccacttact 120  
 tcttccaacc aaagaagccc tcactctccc ggccctagacc atttccggag accagcttgt 180  
 gacagagcca caacctccgg tcactctgtc agctatctgc agttcctcct ttttcctttc 240  
 ctctctcccc tcataaacia tgactgttga tgtttccact agctacagat gctgatgcca 300  
 agattagctt tgggtcaagat gatattctcc atcctccaaa acaatgacca aaatgtttta 360  
 ttttatggct aggaacttta ctttctttca tatgaaatat ttaatgnatt tttcactgng 420  
 ctcatttttg ntttgngngg ggataggtaa tagcaaaac 459

<210> 586  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<400> 586  
 gagatgggga aacgaatcca gaggttaatg atatgtccac cataactcaa ctatcaagat 60  
 cctcaagtca gtgctctttc cttcatgtcc tcaggagttc tccagggaca ctgtaaagat 120  
 gagaaggagg ttgcacggtc tgaatgtttg tgtccttcca aaattcacat gttaacactg 180  
 aatcctcaat gtgatagtgt taagaggtgg ggccgctggg aagggattag atcatgagga 240  
 cagagcccta atgactggga ttagtaccct tataaatgag gccccagaga gctgtccctt 300  
 ccaccatgtg aggattcagt gagaagggtg tgctgatgaa ccagaaagca ggccctcatc 360  
 agagaaagga tttgccagca ccctgatctt ggactttcca gcctccagaa ccatagtaaa 420  
 tatacttctg ttg 433

<210> 587  
 <211> 525  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (525)  
 <223> n = A,T,C or G

```

<400> 587
gggtctctctn tgttgcccag gctggagtgc agtgggtgcga tcatggctca ctacagcctc 60
gacctcctgg ttcaagtgat tctccgcct cagcctccca agtagctggg acttcaggca 120
cacaccacca tgccctggcta atttctgcat tttttataga tacagggttt tgccgtgttg 180
cagactgatc tcaactcctg aactcaagcg atcctcttgc ctcagcctcc caaaccgctg 240
ggattacagg catgaaccac tgagcccagc tgcccttcac acttctactg tgcattagaa 300
tcacccaaag agcttgtaa gacagattcc caggctgcaa tcttggaggc ctactggctt 360
agtagctctg ggctgaggcc tgagaatatg cattcctaag aaacctcagg tgaggctgat 420
gctgctgtgt gtggactgct angctangac angggttnt ttttctctaa aaaanggggt 480
aaattttttg accncaantt tnttataggg tattttttaa aggga 525

```

<210> 588

<211> 524

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(524)

<223> n = A,T,C or G

```

<400> 588
atgtaattaa ggatcttgag atgagatcat cctggatgac ccagggtgggc cctaaatcca 60
atgagaagtg cccctataag agaaagacga ggagaagaca cagacgcaga gaaggcgacg 120
tgaaaatgga ggtggacatt gaagtgcgc agtcacaaac caaggaatac ctggagccac 180
tggaagctga aagatgcaag gaaggattct ctccttgagc ctttggagag aatccggctc 240
tgccgacacc ttgatatcgg gctgctggct tccaaaacat gagagcatat atttctgttg 300
ttttcagccc ccaagtttgt agggattggg tacagctgcc ccaggaacat aatacatgat 360
tgaagaccag cttttaatgt acaaacccta gtacaaggca ctgcaaacct cagagatctt 420
cacacaaaaa ngnnatttta accnctttaa aaggnnaaaa atcttttttc ccnccntnn 480
aaagggnntn ncccnaggnc cttgaggggt tataatataa gagg 524

```

<210> 589

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(551)

<223> n = A,T,C or G

```

<400> 589
atgcctgggtc atcctcaacc tgggtggacac gccttcattc actggagaag cagcagcagg 60
gcttgcttcg agtccaggga agcaagaaaa cagatctgat cccctgtgg agtgtggagt 120
aggggcactg cccttgatgg tgggagtga accaacttgt ttgcagataa gattgccgag 180
acaattccaa tggggaaaag aagtctttcc aaacatgctg ctgggacaac tggatctcta 240
catgcaaaag aatgaacttg aactactatt tcacactata ttaaaacaat tatcaattat 300
tttgtgactg aaggcaatta agaagcagca aatggaaaaa gctctcgctg tcttcccctt 360
ttctgcctca aggnaggata taaattctcg tttactggac acaactctag actctattca 420
cccnagaaa gcaccncaaa aatatnttna cnaacgcttt tnttttttt tccccccca 480
ataangtttt tcccccantg gtttcccccc nnaaaggaaa agggcttctt ttggccnngc 540
atttttttta a 551

```

<210> 590

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(500)

<223> n = A,T,C or G

```

<400> 590
gtgaaattca tcttagcttn tgggattggc tcctactcaa catgcaagca ctaatcctct 60
aacatgcaga gacagagtct cactctgttg ccaggctgga gtgcaataat gccatctcga 120
ctcgccgcaa cctccacctc ccgggttcca gtgggtttcc tgcatacancc tcccaagtag 180
ctggggactac aggcacgtgc caccacgccc agctaatttt tgtattttta ggggggacag 240
agtttcacca tgttggccaa gatggtcttg atctcttgac cttgngatcc gccacctca 300
gcttcccaaa gngntgggat tacaggcatg agccactgcg cccagcccat acataagaat 360
tttaagtcnc nncatgcctc cnttantnaa aaaaccttnt taggaaaaga gaatcagatt 420
ttttcgttgg agtgcttaca atggatgaat ccttttagca tcattatctc attttaattt 480
gcaagccaat ttttaagaaa                                500

```

<210> 591

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(526)

<223> n = A,T,C or G

```

<400> 591
gaagtcagag attggaagca ccattgtttg cttcaggatg gagggggctt cctgacaagg 60
actgtggggg acctctagga gctgagagca gccccacct gagaaccagc aagaaaatag 120
agaataagcc tggaagcaac ttttccccc aagcctccag acaagacctc agcctgacca 180
acgccttgac ttcagcttgg tgatattctg ggcagagaaac tgagccatgg cttgtcatgc 240
cagcattctg acctacacaa ctgtgagcca gtaaacagggt gaaccagtgc ttgattagct 300
acgtttcctg tttctgcatt ggtgatcatg gaaacaaatg ctgagaagga gcctctgctg 360
cctgggtacc gtgaatgacc acggtgaaca agagggctca gtaagggaacc ctgcngactg 420
ggtttaacta ctgtagnngg ggnggacaat cttntttttt aaaaangggg gacntttggg 480
gaaaaaaaaan tttcccntt gggggntgga aaaaaaaccc acccag                                526

```

<210> 592

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(521)

<223> n = A,T,C or G

```

<400> 592
tgttggcatg aatgaaatat aggatgactc atccaatgag aatttgaatg ctggcgtaaa 60
accatagaga aaatccagggt tcaataaaaa ggctaataat tcacagaaat atcctgggat 120
caaagagaag accctgtggc ctcatgggac attagtaggt gccttggag aagcagaggc 180
aggagacaca aaggacttca agtgattgga acaagaactg tagaagacat acctaagcac 240
aggagagggg aaagagagcg ttcaattgct tttgaaatga gtatttaaaa accagcctca 300
ctcaggggtg ccccttgagc tcctctgctg agtcaactct ctgcttggca gcctcttgct 360
catagctgac tcagggcaga aaggtgattg attgccttaa gagccttccc ctgacctctc 420
actcgntnt tctttcttcc ccaccttnt ttcanaagnc ccctntaaaa cccaagggtt 480
tttccaaaag gccttttttc ntttgcaaaa acaaaaccag t                                521

```

<210> 593

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(392)

<223> n = A,T,C or G

```

<400> 593
ggagaagacg ggggtgaatg aaggcccgag aatctccagg gaagctctgc tctccacctn 60
tgctgtcccc cagacccggg gtggaatcag tgctcccagg ttcttctggt taatacaaca 120
gagcaaatacc ctgaaggctg ccgctaaaag gcagaaacca ttactttcca actatctgat 180
acggnttggc tgtgtcccca tccaaatctc atcttgaatt gtaactcccc tgattcccac 240
ccccacccca aaatctggcc attaaactgg ccccaaaact ggccataaaa aaaactctct 300
gcagcactgt gacatgttca tgatggcatg acgcccacgc tgggaagggtg tgggtgtacc 360
ggaatgaggg caaggaacac caagcccacc ca

```

```

<210> 594
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

```

```

<400> 594
gtttttcaga cttcctgaca tggcaactgg cttcaaagag agcggaaatg gaagttgccn 60
gcgttcttaa gacgttgatg tttttcaagt tcattttgaa attcccttct ctttctttat 120
tcaagaagat caacacacag ctaatcatca ccacaaagag tactgcaatc aatataagaa 180
tacctaccct ccctggtaca agccaaggct ggcttcccag gaatcctcan ggtttgccag 240
cctttgtgcc tgtgccccac ttccctcttg aggtgtggtc ttggactgaa agggcgtgac 300
ctcttggatg ccactttgga aatcctccag cttcttgcac ttgggtttat taaaanacca 360
ttntgcnttc ttgggnaaaa tttaatggcc ttctcttntt tgaacttttg aaattctttn 420
attgaaaaaa aaaaataaaa ancccnnggg tttttttggg
460

```

```

<210> 595
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

```

```

<400> 595
gatctatacc tggaaataca tatacctagg aataactgct cagtcacatg ttaacaagcc 60
ttttccacct tcttgacat ctctgaccaa gccgtcttac caggcttacc atgatgaata 120
agcaaaggca tcacagaaag ggaaaattaa cagttccatc ttcaaggggc atgtgtgtgt 180
gtgagtggcc atgcagatac acatgtgcta caagatgaag tagaagaata attctcacat 240
gaaggcaaat cagggatgaa aagaagctac ctctacacaa caagggtgaaa atctaagggc 300
ctcgagtaat gtgccccctc ccaaagcatt attattctaa gggcagaact gaactattag 360
gattacattt tcaatccaaa atttgnaatt aaatgnaatg ggnattttta aaaatgaatt 420
aangggcccg gaaaangggg nggtttcaca aaacattaaa tcactt
466

```

```

<210> 596
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(347)
<223> n = A,T,C or G

```

```

<400> 596
gaaaggagaa ctacttggat tccttgagtg tctgaagttc atcatgccac atttcccagt 60
gtaaattttt ttgaggaggt gtctccatgc ttggcatgaa aaccagggga ggaaaataca 120
agatgcccta ctgtgnacag tgaagtgggg ttttgggaaga tgtgctccag agaacggcgt 180

```

```

ctgggcccc acaatctccc catgttgac agactctctc tgactcctgt gatctggccc 240
tggctgtcct ggaatactac cctctactcc aacagaattt ttaattgttc cacagtgtat 300
ttatgtacat tggtatctga gcctctgagt aaagcaaac aggcatg 347

```

```

<210> 597
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

```

```

<400> 597
gtgctgcctg tggttggagg caaaatcctg gatttcctca atggccttga gttggagggc 60
tgttctctgt gttgtgattt naaccgaagt gctagtagaa ttgagcactt agtttcctgg 120
ttatgttatc aaaccgaaat tcggattggc ctccctaggt ccctatatatt gacaatggcc 180
acactgtgct gccaggaaca gacactggaa atatcagtg ctcctttcac tctccaatcc 240
actagcatag aagctccatg gggccagggg tttttatctg ttttggtcac tgctgtgtct 300
tcaagtgtct ataacattgc ctgacatcgt aaatgctcaa taaatctttc atgactgaat 360
gactcc 366

```

```

<210> 598
<211> 527
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

```

```

<400> 598
ttgaatacaa ggatgtggtc aactatactg ttcttaccgt tgaaaaagag gtgctgaggc 60
caggcatggg ggctcacacc tgtaatccca gcactttggg atgccgaggc agctggatca 120
cttgtgggtc agagttcaag accagattgg ggcacatgat gaaaccccg cttactaca 180
aatacgaata ttagccattg tgggtggcaca cgcttgtaat cccagctact caggaggctg 240
atgtgggaga actgaaccct ggagggtggg attgcagtga gccaagatgg cgctactgtg 300
ctccagcctg ggcaacaaag caacactatg ttttaataaa ataaataagt gctgagatct 360
caagaaaata caatgcctag cttcagaata ccataatatta tatattcata tggntataaa 420
ngnatccnc cntgggttnt ntgcttaaan gaanngactt tcnttttata gtgatgccag 480
gcncgtgctc aagaatttta tgtatcctaa cttattaaat ctcctca 527

```

```

<210> 599
<211> 544
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(544)
<223> n = A,T,C or G

```

```

<400> 599
aaaattctgg ttctcaatga caccagcatc attactgatt tgctttctac tcacacacaa 60
atagcctcca aataagaatg ccaacactat caccaaaaag gaaaaattat cttcgtttcc 120
ccaaggcctg cagctttgat aagaaggcag gagtttttgg aggagagcgt cgtgttcgtc 180
tgtctgtaga ccctgagaca ctgatttaca gcaagactca cggtgacaag aatataaaca 240
tctcttcaat tcatgtgatg aggaagaaaa gctttgataa agaaacttga caagaacttt 300
acaaggaaga aaaattacca acaatttctc ctatcaatgt agatgaaaaa ttctaaacaa 360
aatgtgagca aaatgaattt cattttatgt taatagggat tatccttntg atgaaatcca 420
ggttttttta canttnncng anatnggggt ggnntttttc aaaattcatt gaantttgnt 480

```

nccttttgta gagcacctaa atttttaaaa aaccccccnng tttccacca acttgggaaa 540  
agct 544

<210> 600

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (396)

<223> n = A,T,C or G

<400> 600

agtcttgctc	tgacgtnagg	ctggagtgca	gtggcgcgat	cttggctcac	cgcaacattc	60
tgactccctg	gttcaagtag	attctcctgc	ctnagcccc	cgagtaagct	gggattacag	120
tcatgcgcca	ccacgcccag	ttaattttta	gtagagacag	cgtttcacca	cgttggccag	180
gacagtctcn	atcncctgac	ctcatgatnc	acccacctca	gtctcccaaa	gngctgggat	240
tacaggcggt	agccacgtgc	ccaagcctaa	agnttttctaa	tatatgcca	aggaaaagtn	300
cnaaaactaa	tcactnttaa	agacaatacn	cgatnatatt	ttcatgntta	taatantacc	360
tttataatct	acaatngttt	ttntggaaaa	atttgg			396

<210> 601

<211> 373

<212> DNA

<213> Homo sapiens

<400> 601

ctgtgtagta	ttcaatttta	tggatgtacc	ataatttact	tatccagtcc	cctgttaatg	60
gacatttgga	ttgtttatga	tattctgctc	tgcgaagact	tcagtgaaca	tccctgaata	120
tggatggcca	tttcaagcat	gggcgagttt	ataccaagga	ggtgaattgc	tgcgtctgag	180
ggcatgtgct	tttggagatg	atacagactg	ccctccacag	acagggaacc	aattttcact	240
cccggaata	atgtctagaa	cgtgagccat	tcgtgtgatg	accgaggtta	ctgtatatatt	300
gagcattcaa	tgtatgctgg	cactgtgcat	cccctcggtta	tgaccctgga	aatcaaaatt	360
aaaatcccac	ttt					373

<210> 602

<211> 352

<212> DNA

<213> Homo sapiens

<400> 602

gtttttccact	ctgcttcaag	cctcttccag	atgcaggagt	ctaacagagt	ccacataaac	60
aagaaaccaa	aacaaaacgg	cacaaggctg	aaagctttcc	ccttggtgata	caaccacttt	120
atgtgcagag	aggcgctcac	atgatgctgc	caacatgtgt	tttctgtctc	agatttccct	180
tgataacaaa	ggacatatatt	tagaaggcgt	ggccctaggt	gcatttggcc	agcaggaatc	240
cgagtggagt	ttggggattt	catttggggt	taggctgatc	ccctcgggtg	cccagtgcta	300
cagcccttga	tgatgttaaa	ccccaatata	taaagtttgt	aggaacactt	tg	352

<210> 603

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (352)

<223> n = A,T,C or G

<400> 603

gtctgtttcc	tggttaccca	aattccaggc	actggcccca	ggcccaccac	aacgcattccc	60
tcaaagtctc	tttggcagag	gaaaagcatt	tctccttgct	gcggcaagtc	agagccagaa	120
tctcgggttc	tcctgcctca	aagccccac	tacacctca	ttcgcgtgtg	attcatgcgt	180

ttaggtggtt	ctgctcagcg	tcgttttttg	agttgggggg	cggtagagtaa	gcacaatnta	240
agtttccttc	atttctcttc	tccttggttg	agctaaggaa	ttactttctt	gtaccaaaca	300
ttacaccctt	ggaaaacact	ccagatggtt	ctcattaata	ttccaattcc	tt	352

<210> 604  
 <211> 184  
 <212> DNA  
 <213> Homo sapiens

<400> 604						
ggggtttgagt	gcctgcactt	ggtgctgggc	acggctgagc	catcccagac	gccaaaggagt	60
ttacagtcta	gtccagtcag	tgacgaggtt	aaaacgaatt	ctcgcatcat	tgctactgcg	120
aatgcaccgg	gacaggatca	gcccttcaaa	ttctcccacg	tggtccctgc	aggtctttctc	180
caag						184

<210> 605  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(447)  
 <223> n = A,T,C or G

<400> 605						
gcaacagaaa	caatctttgt	ccaaccagca	aaagagggat	ttggagaaa	aaaatgaagc	60
agcttatgga	acagaagaat	gcagatgtga	cgggtgatag	accagctgct	atattggact	120
atgaagacaa	gggtcacccc	tctggatcgg	acagtgtgga	gttagaagaa	gcctcagctc	180
cctgaggatt	ttgtggagta	catccatacc	agcccataca	ggctgactgc	agacattaat	240
tttatgtcat	gcccctggaa	gctgagccca	gttcaaattg	ctgctatctt	tctatctact	300
gtgtagagaa	tactggaggg	acaagagtga	aaatagggat	aatctctatt	tcatacataa	360
gaacccttga	ancctgaaaa	agttaaatga	agtncattag	gattgggggt	aaaagtactg	420
gctttaaagt	taagtaaacc	ttgtctc				447

<210> 606  
 <211> 636  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(636)  
 <223> n = A,T,C or G

<400> 606						
gaaactcctg	cccgaacttg	ggtgaaaggc	accggaagat	gccttcgggg	aaaatggcgg	60
cgctgctacc	gcaccgcctt	tgccctggaac	acaggcagct	tccagctatc	gattttattg	120
accggagcgc	catgccggct	tcctaacctc	tttgccctca	agtgtaatgg	cgctgcgatt	180
gggcttcacg	cogtcttttt	tccctcctcc	aatacgcgcg	ttcattggac	gagagccgaa	240
gacgagcgt	tctgattggg	tgctagcaaa	ggcgggtccgt	ttgaacgaag	ccaagagctg	300
cataagggca	ggaagctgga	ctgctaggat	caggcgacta	caaggagttg	tgaagcgact	360
tgcaccgacc	tgggggcagc	aagaggcccc	ggggctgctt	tccgctgttc	gactctggca	420
ggctcagcca	atcacttgaa	ggagggaacc	gatttgagcg	atggagccac	tctggccgag	480
ttagagctga	gattatcctg	agttcctttt	actggtgttc	tcagagcatc	cttgactttg	540
gagaatgggt	atcttctttg	tttgccctta	ngggagggaa	ttatgggttag	cattttcttg	600
gggcangcgc	catgcccagc	atattacata	tttcat			636

<210> 607  
 <211> 473  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(473)  
 <223> n = A,T,C or G

<400> 607  
 gtggggtcctt tcaactttta gcccaagatg atggaagttt ccaagaacca acagaaatat 60  
 ctggaaacccc attttcagac atgtcctgaa cactgaatta taactaaaac aaaacctttg 120  
 tgattttcaag gtcattgaaa cagtggaaact gacccactc tgtccagctc caaaggccat 180  
 gctctttttca ggacatgcct tcaactagatg atctcttcag cccctctccg actctgattt 240  
 tgagtcctct ggaattgtct cggatgttca aggcctacct cactctcata agctcagcct 300  
 gtttttttggt tatcgtagcg tggcctttct ttacattcca actgcagacc tgggtgtcat 360  
 tctccctgtg acatagcatt tgatgtccac tgggttctag ttatgtctat ataagtacaa 420  
 acagncccat ttcttttttt ccgatccatc tcccttatct taataaaaag gtg 473

<210> 608  
 <211> 176  
 <212> DNA  
 <213> Homo sapiens

<400> 608  
 acacccatga ggtataaaca ctgttgctcag aggaaacagt ggaaatgagg aggctgccct 60  
 tgtcttagag aacctatcag gaaatgcttt cctgaataga aagtatcctt atccattggt 120  
 cagcgtccaa tttccccttt gtccctgtt taataacaat agcaaaccctt aatttc 176

<210> 609  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(578)  
 <223> n = A,T,C or G

<400> 609  
 gttttatgat accacaaaga gatcatcttt gttctcctca cctcaagaac agatgggtag 60  
 caggggtggt ggctccatga ctactacct cctcacgccc gcaaagactg tctaagcagc 120  
 aggcaaactt ctgggatcaa tagggttcat ggcaacgcag tgtctgccag caaaccttgg 180  
 aggaggccat tagtcaactg gtgacctgcc accctgacca ctgcagccct ctgatgcaga 240  
 ttctcagaaa ggtagctgg tgctgggaaa cttaaaaggt catggntatc tcggagtcaa 300  
 aactccacag aaccagagtg aagagtactg cagaggagct acaaagtcag aggtaagggc 360  
 cacattggag gccaaagtca ccacctgata gctgtgtgac caagaanagc taagcagaag 420  
 aactgcatg tgatcacatgc aatagaanan ggccaaccac tgggaatggc tgcctttcaa 480  
 gaacactgaa ataaatgacc tctaaatgga tgacaataat ggcattgaggt cagatgtcca 540  
 actgagatcc agaagcaggt cccaagtcaa taactttc 578

<210> 610  
 <211> 494  
 <212> DNA  
 <213> Homo sapiens

<400> 610  
 gctggagtgc agtggcgcaa tctcggtcca ccgcaagctc cgcctcaccg caagctccgc 60  
 ctacccgcaa gctccgcctc cctgcaagct ccgcctcacc gcaagctccg cctcccgggt 120  
 tcacgccatt ctgctgcctc agcttcccgg atagctggga ctacagggtc ccgccaccac 180  
 gccgggctaa cttttgtatt tttagtagag acgaggtttc accttgtag ccaggaagggt 240  
 cttgatttcc tgacctcgtg atccgcctgc ctccggcctcc caaagtgtctg ggataaaggc 300  
 aaatgtttta accaaaagga gtaactctgt aagggttcca tgtgagacac tgtggtatct 360  
 tgtagggtgga aaaaacttta cgatatgaga agaataagct gcgaattctt cttcttttca 420  
 cattacaaa gatacatggt ttctctctta ttttaataag tcttatttta ataataaaat 480  
 tgaattgca agcc 494



<210> 611  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(447)  
 <223> n = A,T,C or G

```
<400> 611
ggcaaaatct ttttcccttg aagactggaa atattatcca tgttgtcctc cggaatattt 60
tcaatgactt gtgccctgcc agctctagct tttgaagggt ctacactcat catcaacaga 120
ttctgggggt tcatgcacag atttcttacc tgggtatatatt gtgtgatgct gagcttttga 180
gttcaactga tttcatcacc cagcaaccag cccaggaagc cagcccatta tccagaggaa 240
ccaaccaagg aagccagcct gctctctaga agctagactt gtaggaagcc agaccactgt 300
ctctagcaac tgatccagga agacagaaaa gaacacctca ataacaggac caaagtggcc 360
aggacttgac tggatgaagt aactgacagc ttccctaatt tttggnccca cttccaacag 420
aagaacaacc agagaaagcc aagtatg                                     447
```

<210> 612  
 <211> 668  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(668)  
 <223> n = A,T,C or G

```
<400> 612
atggagtcct cctctgtcat ccaggctgga ttgcagtggc aggatctcgg cttactacaa 60
cctccgcctc ccgagttcga gtgattctcc tgcctcagtc tctggagtag ctgggaatac 120
aggcacccac cttcgtgccc agctaatttt ttgtttgtat ttttgtagag accgggtttc 180
accatgttgg cactctgggt cttgaactcc tgacctcagg tgatccgccc acctctgcct 240
cccaaagtgc tgggatgaca ggcttcagcc accgtgcccc gccaaagatca agttgttggt 300
ggcagggctg cactccctgc aaaggctgta ggagacaacc catctttgct tcttccagct 360
tctagggggt tccgcagcat gccttggcgt gccttggcct gtggctgcat tactccaatc 420
tctggctgta tggcaaatta cctcctcctg gtccatctat ctccctgtgt gtcacttata 480
aggacagtta tcattggatt taatgccctc ctggatgacc cangatgatc tcacttcaag 540
atccttaact taaagtacac cacaaaagtc ccttttgcca aatgaaataa cactcaccat 600
ttccgangat aaagacttgg atacatcttt tgggangnca ccattcaaca cactacacta 660
ataaatat                                     668
```

<210> 613  
 <211> 270  
 <212> DNA  
 <213> Homo sapiens

```
<400> 613
gcaagaatga tcatgctatt atattcaccg agtctaaaag ttattgcaaa cgaaaggata 60
gcctcaccat cattcccaga gatactactc agcaaaacag cccttactga gaatgagaat 120
caacccttgg aaatctccaa aaggacagac tcctaaagct gccaacaggg attcaccaag 180
aacatcactg cagatctctg cagtcggttt catcaaatat tcaacaaagc acggctttca 240
aaatcaaata aaaaagcttt ggttacagct                                     270
```

<210> 614  
 <211> 193  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

```

<222> (1)...(193)
<223> n = A,T,C or G

<400> 614
gcaatggatg ctgcttctcc tcaagaaaca gcacatgcac agaaacaaaa catcccagag 60
gttttcactcc ctcaggacca gcnnagacca cagactaaaa ttntaacctg gacnaaaaga 120
ggattcacca atgcaatttt tgagaactaa agtcttnaaa aattaaattt tacagaagac 180
tacagagcat ctt                                     193

<210> 615
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(599)
<223> n = A,T,C or G

<400> 615
tctgggggct cctgcattaa gtcaanaact gaagggtgc tggggcgaaa aacaaagggg 60
ggactctnaa ctttttggct tggaaagggg gaaccctcgg ggctggggna ccaaagcttg 120
cngganttnng tttgacctga ggcncagggg tggggcttng ggctcccaa agttcttcct 180
ggctgggaat cattggctgg ccaaggctct gcgtcccatc cctggtcctt cttccctgca 240
ngctcctcgg acttgcttct ttctcctgac gctgtcaagc tgtactccaa aaatgttctt 300
gtgggcaaaa gttggcgatt aagctcttgg atgcaaaaga aaccgtcctc tgcattgctc 360
cgcccttctt ccaaacgtcg tccctttcca gaagaaactc gaggaaccct caagtgtca 420
agaagaagct ccggtgacga aggcactgag cccgatccca ctgtcctcaa gacttcaaga 480
aggggggaaa acgaaagcat tcttcgtcac cggggaatca ctggctttgt ttccaaaatt 540
attttgcccg gtttcacctt ttactgggac tctgtaaaaa ataaaaagat gtgaattgg 599

<210> 616
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(660)
<223> n = A,T,C or G

<400> 616
gctgccagga agcatgctgg ggaggcctca ngaaacttac aatcatggtg gaagatgaag 60
aggaagcaag cacgtcttac catggcagag aagggagaga gcacgaagga ggaagcacta 120
cacattttga aacaaccaga tgtcggataa acagaaacca acacttttga aagacttgct 180
ctgctgccga tatccaccag cctcctgata cccaccctcc attctgcagt tttaacacag 240
caccagacca gcattccttt ttgataagag accactggcc atgggatggt tctgttcagt 300
ctgcagagct gcacacagag ggtcntcgtg cccctgcttc accttttgac gtatagggcc 360
taactgtaac acatttaaag gtttctccct ctccatcaca aagggaaacat gggacgtgtg 420
taacatacat gctggcttac tatgcatgtg cccatctccc tcttgtgaat attcatagct 480
cctcctatag cctgctgaat aggtacactt aaccaccccc ttcagcacia attcctgtct 540
cgtaacctcc tcctaaaagg attgcttttc tgttcaactg gangctccac tttctgggtg 600
aaggcgnggn acccttcttt taaaaaaaaa ccttncnttc tnaaattata gaatttggga 660

<210> 617
<211> 394
<212> DNA
<213> Homo sapiens

<400> 617
tgttccaagc ttcacatcaa ttcctgacaa ggggtgacagc cagagggcag acagtcacag 60
accatagcct ctgactgctg gagctcactg aggtaccgct cagcctgctt ggttgcaccc 120

```

tccgcatggc	gagtcagctc	tgagatctga	aggtcagcat	gcttacgctc	ggcctcacat	180
gtgtcaaaagt	gatttctggat	ctccttaagt	cgatccaaca	tctgcagttg	ctgtttttcc	240
ccattctcca	gttcacgtgt	taaattctac	gaataaaagca	tgcaaaacat	caggaacaaa	300
tccttggtcaa	aattggatgt	gtagcatatc	atcaaacaag	aatctcta	gtcactgaag	360
tggaaatcat	ctgtattaaa	attcattagc	aatc			394

<210> 618  
 <211> 312  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(312)  
 <223> n = A,T,C or G

<400> 618						
antganattn	angggggnaa	aantttgnnt	nagggcttaa	gtgacaatga	ccctaataatt	60
tctgagtact	atccangggg	attcacacag	ngngnagctt	caccttcctt	tcacngtgac	120
agccttcaaa	attgtctnct	ttcccaaatt	cctacaagca	acaccacaaa	ctcccgtggc	180
atgaaaaaaa	atgggagcag	nggtgcacat	ctgtaagtnc	cagcctactc	acgaanttga	240
ggccnggagg	atttctgggtg	cccanaagtt	canttgaagg	nctgcctgcc	aatatangaa	300
gactctatcc	tc					312

<210> 619  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<400> 619						
atggagacgt	tgtctcccgt	cagggcaaaag	acttggtgct	tttggttgca	tataccttat	60
aaaagatttg	ggttttccaaa	gacagaatt	ctttgactgt	gaaacaaact	cactgtgtgt	120
ccagcatcca	cctgagtttt	ctctgcacca	ctccaatgtg	actgaggagt	caaaggaaac	180
tggtgtgaac	atgaagctca	tgctacctgc	tgtgccatga	gtagcaaagt	tctttgtgtc	240
tgatcctgga	gtcctgtgtc	ttctgcagaa	tctgtgaaat	tgtagccagc	taacctgtta	300
gcttgtaaga	tgataaaatc	tcagatcctt	cacaattctc	tatgatatgg	tgatttactt	360
cttgactaca	gagatgaaaa	atataagaaa	ttgtgactaa	cactg		405

<210> 620  
 <211> 324  
 <212> DNA  
 <213> Homo sapiens

<400> 620						
atggagtctc	gctctgtccc	caggctggag	tgcagtggcc	cgatctcggc	tcacagcaac	60
ctctgcctcc	cgggttcaag	agacgctcct	gcctgtgcct	tctgagtagc	tggaattaca	120
gcttggttga	gttcttacia	cttattattg	agcccttaag	tctatcttgt	ctggacatgt	180
agcagaaaac	aactttacga	cttactaaag	tatgaggaag	acggcgtctc	actttgtggc	240
ccaggctgga	gtattatgta	tataataata	ttatacatta	ttccactttg	accttagtca	300
atgaagagcg	agattaggag	tgtc				324

<210> 621  
 <211> 312  
 <212> DNA  
 <213> Homo sapiens

<400> 621						
gaacaagctg	gcaccacctc	agaaacacac	aggaagacag	cgggggccta	tctgccacgt	60
agcaggagcc	tgcagagaaa	gaaattgacg	ggaggagcag	gcggcctccc	atccggcctg	120
gctgactcat	tatttgcttt	tctgatttca	catctattca	tggtgggaaa	tggaagaaaa	180
cgattacact	ccaaagagga	aaatgaagcc	cccggagtcc	tcctgagata	gccactgaaa	240
acatcttggc	tcactccctt	gcacctccta	tgcatacatg	ttttcttttt	cagaaattaa	300
agaatcatat	tg					312

<210> 622  
 <211> 543  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (543)  
 <223> n = A,T,C or G

```
<400> 622
gacctgtgaa tatgtttatct tacatggcca aaacgacgtt gcagggtgtgc tgaaagtcac 60
aagtcttgag atgggaaaaat tgtcctgcat catcctgatg gattacatct aatcccatcg 120
gtccttaaaa gagaagaatc tttcccaggg agaaagatat aatatgagaa ggacttgacc 180
ctgtgtgtct ggcttcgaag gtggagaaat gtagtcataa gccaatcaac gcagctgtct 240
ctagaagcgg aaactacctt cagtacagaa ccagcaggaa aacagaaacc ttggctctat 300
agctgcaaag aacagagctc tactaaccac agcagagagc aaagaacaat tgccttagag 360
cttcagaaaa caatgcagca gatcaccaat ttccttttag tctggccagt tgtgtataaa 420
ccttctgacc tatagtatag acctgtgaga taataaatat gtgctgnttt ataccactaa 480
aaaaaaaagg ccagccgagg ccaattcagc ttggacttaa ccaggctgaa cttgctcaaa 540
agg
```

<210> 623  
 <211> 690  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (690)  
 <223> n = A,T,C or G

```
<400> 623
tttgggaccc attttcccc anagnggggn cccattgggg gggaaacncc cnggggtccaa 60
nttccccnaa angggccgan gggaaaatcc aaccctncc gtttntncc caaaaagg 120
gacctttnaa agggggcccc ccanaaaact tgggggggaaa atgggggggg ggaaaaaaan 180
taaacggttt ttttgaaaac caaatnggga aggagggnga nccaattttt atntttntt 240
gaaaaatggg gaaggccctt cttaaacngg gctttnantt nggggaacaa cngggngggg 300
gatcaatggc ctggnnaanc cccggggatt gggtcnngat tcccttnaac caagagaanc 360
ntgncctttt ttgaacaagc nccgttggca cctttgccct tacagtaaaa cctcccccaa 420
gtggtgcccc ttcccaagaa tcattaaaat ggggaagncc tgaaggaanc caaaaaccca 480
aggnaatggc ncttggggna aactcccctg gnggaggggg gatcttnttg gaccctnng 540
aatcaacttt ntthttttaa aanggnccng gccnnaaagg ggggggtttgc aaaaaangc 600
ccttgaaaaa agnggtccca aaatcaacct ggnttttaaaa aatttcanaa aaaattacca 660
tcttggcatt ttttgaactt tttttgaaaa
```

<210> 624  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

```
<400> 624
gtctctctag cagtctgaca ctttcaataa gagacagtca catctattct ttctgaagac 60
aactacctgg aggattcatc tacgtgacaa gaaccttggc ttccacaaca acccccttac 120
cttatctcaa gctgatttca actcttcagg cagagcttaa ccctttcaac caattgcca 180
tcaggaaatc tttgaatcca ccatgactt gtaagtcccc ccacttgca ttgcccac 240
ttctgcact gaaccaatgc atatctcaca tattgatatg tcttatgtct cctaaaaca 300
cataaaacca agctgtaacc caactacctt gggcatgtgt gctcaaggct gtggtcatgg 360
atcatgatcc ttaatctttg caaaataaac ttttaaattc attg 404
```

<210> 625  
 <211> 369  
 <212> DNA

<213> Homo sapiens

<400> 625

```
gctaattcct caaaacacta ctttcacctc attgctcctt tgctcaaaag cctacttggt 60
gcatagcaca gcatccaaca cagagaagga acacagctgg actctatttc cttagccttcc 120
tttgaggag gatgtggcca gtgaaatgtg ggcagaaagt atgtgcacca cttccaggta 180
tggttgacag aaacctgctg ccttacataa tcattcgtct tctttcctct tctgctgtga 240
ctttagaagt ggtgaagatg gcacagccac aagatggaaa aagacaaaac tgcttgagag 300
attcacccac taggaacacc tattttgaac ttgacataat caaaaaataa cttcagttgg 360
ttttaaggc 369
```

<210> 626

<211> 371

<212> DNA

<213> Homo sapiens

<400> 626

```
gacctccgct gacctgagca cttcctgcat gaaaggggct caataccaag gaagaaaaca 60
gatacatgca ccctttctaa gcagcaaaac tgggttcaaa tcctcggcta catcacttat 120
gtgagatgaa gtcccactat attgccaagg ctggacttga atccctaagc tcaagtagtg 180
ttcccacctc accctcccaa gtaactgaga ctacaggtgc acaccactgt accagcataa 240
ttgcatatct tatcaatcaa tccacagcca ctaaatacct actgaggtat ctgtgtcccc 300
tgggcttttt ccaagagctt tcaatatggt tagatttggt tattaaattt gcataaatat 360
gtgatatgag t 371
```

<210> 627

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(561)

<223> n = A,T,C or G

<400> 627

```
ttctaaacct acagtgatat ggaagagtaa tctgccaaata gtacagaaac aaatgagaag 60
tggtccgctcc tgaagtcaaa aagttcaggg agcttcagcc ctgggtgggtg aaggagaga 120
tttgagagact tctttcctat gtgatgtcct ctccgtggat tggtttgtga agctgacggc 180
catgacccca gaggggaagc tgtagagaa acgctgtcgc ccatttgta accagacacg 240
tccactccag tgttctccac agctactcca tgaggcggac agcagcagcc ccactttgct 300
gacgggaaac ctgccacacg gtccccagca ggggaaggggc tgggctggga ctacagacca 360
gagagcgact gtctgggtgga tccaaagtca ggagttgctc gtctaccttg agtccaaaaa 420
ggtcgagaca agcagtcacca gaagtggcaa gagaaagttt ggggaaggcag aaaaaacact 480
cctgangtga ctggtcacct gctcactcca aaaatgttac ctttanggtt aagcttttaa 540
taaaccaagc taataaaatc t 561
```

<210> 628

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(389)

<223> n = A,T,C or G

<400> 628

```
gctggagtgc agtgggtgca tcgcagctca ctgcagcctt gncctcctgg actcaagtga 60
tcctcccacc tcagcctccc aagtagctga gacaacagat gtgtgctatg aagaccagct 120
aattttttctt ttcatTTTTT gtagagatgg gggctctcctt atgttgccca ggctgggtctc 180
aaactcctgg cctcaagcaa tcctcccac tctgcctccc aaagtgtctg gattacaggc 240
atgagccacc atgcccagca gagggaaatt tatttagaga gaaaagagga cattcacttg 300
```

gtgtttcttca	acagctaacc	cagatgacca	aaaccctctt	tcagaagccc	ttaacatatt	360
ctgcaacagc	aaaaaaaaagg	tgttttatac				389

<210> 629

<211> 204

<212> DNA

<213> Homo sapiens

<400> 629

atthttgagct	tcttgcaagc	agaaaaaata	tcagaatcat	ctgcctcaca	agtgtctggc	60
acagtgccttg	tcacataaag	atggcccaca	aaacttcaat	gacagaagag	ggaaaggaaa	120
gaagtctgac	agatatctaa	ctatatccaa	gaaagacatg	aaaattcatt	gattttataa	180
tttgcatata	aatgttaaag	aaag				204

<210> 630

<211> 173

<212> DNA

<213> Homo sapiens

<400> 630

gtgcaaggag	ccgcacatcc	gcacaagtgc	tgagaccctg	cccaggacaa	gcttgggccgc	60
agtattccct	ttggcacccc	caccacactg	gaacaaagcc	tgatgtaaag	tctgggtgcg	120
actcagaccg	gcctgggaaa	gaattttatt	aataaatggg	ggaaagtggc	ttc	173

<210> 631

<211> 359

<212> DNA

<213> Homo sapiens

<400> 631

caacaacagg	gtgcctggca	caaggagata	ctcagtaaaa	ctctcatctg	ctgtgtcatt	60
aaggggaaca	cttaatggct	cacgcctgta	atcccagcac	tttgggaggc	cgaggcggaa	120
ggatcacctg	agcccaggag	ttggagacca	gcctggggcaa	cagattgaga	ccctgtctca	180
acaaagaaga	agaagaagaa	aaaggccagg	cgccgtggct	aatgtctgta	atcccagcac	240
tttgggaggc	caagaaggga	gaactgcttg	aggccaggag	ttcgagacca	gcctgggtcaa	300
catagcgaga	cacccccccc	atctcaaaaa	taaataaatc	aaaataaaaa	ataaagagg	359

<210> 632

<211> 312

<212> DNA

<213> Homo sapiens

<400> 632

atggtgcaac	tgacctgcag	agaagctaata	taacttgccc	aaagttatgg	agctaaggaa	60
tggcttttaga	aagcaaaaga	aaaatttttt	attaagaaat	gaaaagaaaa	aagacgcagt	120
atggactcag	actgataaac	catttgcatg	agagaactat	caccatttga	aaaagagctt	180
ttttgcaagg	tgtggtggct	aactcctgta	accctggcaa	ctcgaaaggc	tgaggcagga	240
ggatcacttg	gggccaggag	gtggagacca	gctggcaatc	agcaagatcc	tgtctctaaa	300
taaagaacca	at					312

<210> 633

<211> 378

<212> DNA

<213> Homo sapiens

<400> 633

tcctctagtt	ccaccaaaga	tgaaatcaca	agcaggggacc	aacctacctg	caaaataagc	60
ttcagtgccca	ctatacttga	ccgattacc	cacacaaagt	gcagcaagaa	tcactgtcaa	120
tataagatct	cctaaagtgg	ctttgctgga	acctctcaca	agaatctca	gacttaacct	180
ccaatagcct	cttgagccaa	gccaaagatg	catctgcact	tgagataacc	tacatggatt	240
tggaaaaatcc	ctctcttcat	gaggcctcag	aacaacttga	agttcatggg	cctgtcagaa	300
agtggcactc	taggccagcg	cagtggctca	cacctgaaat	cccagcactt	tgggagactg	360
aggcgggcgg	atcacctg					378

```

<210> 634
<211> 379
<212> DNA
<213> Homo sapiens

<400> 634
gtcaccagtt tcaaagattt gtacatcctg gtgtcacggg tgaaaagcct attggtgggc 60
aagcacataa ggcacgtggg atggccaggg gcctccagca caggaaggcc ccgagtgaag 120
gcctagcaga gttaagcgac tgtacgacat gctgaaaggg atcagtgatt tctcctgcag 180
ccagttccaa cctgctgaaa ggaacactga gaaaatatat ggactcagta aacctgagct 240
gcctccaatg gcctcactca ctccaaccct caactttgca atgctggaat gctgagatta 300
tcgtccacaa ggagcagaag ctttcataga ggaacccatc gacgtggctc ctgccaaagt 360
cctcaacagg gcttcgaaa 379

<210> 635
<211> 376
<212> DNA
<213> Homo sapiens

<400> 635
ggaggatgct gtgacccctc aatggatatg ctaatcatca catcagaagc acaactagct 60
tcaaattgaa accagattgc acttggtcac tgacgaagca ggagattaaa caagctacac 120
tgtgtctctg ggagaacaaa aagccaaaag gcacatttat cacctctgaa tcacaatgga 180
gtctcactct gtcacccagg ctgcagtgcg gtgggtgccat ctgggctcac tgcaacctcc 240
gcctcccggg ttcaagcgat tctcccacct caacctcccc agtagctggg attacaggcg 300
tgcgccacca cgcccgcta atttttgtat tttagtagag acgggggttc accatgttgg 360
ccaggatggg ttctaa 376

<210> 636
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(193)
<223> n = A,T,C or G

<400> 636
ggnnngcnngt ccnaancnaa aatagtgagg aaangttggc tccttctaga ggctgngagg 60
aaaggatctg ttccanacct ctctccttta ctttgtggat ggccgccttg cccctgtgtc 120
ctcacctaatt cttccctctg tacgtgtgtc caaatttcct ctttttataa agatgccact 180
catattagat ttg 193

<210> 637
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 637
gaggaagnng nagaccactn acagtgggga ggaatccatc ttccatnntg ngangatncn 60
atagcctgcc atnngcaaca tncatggntg ganctnnaag acnttannct gagtgaacaa 120
agccagacac agaagcacaa atattgcatg atcccacttt tataaggaat ctgaaatatt 180
caaagtggta gaaccaaaga gtggaaagggt ggtttccaga atagttgctg gagaagggag 240
aaatggggag gagtgattca aaagggtacaa agtggtttata tgcaagatga ataaattctg 300
gacaaaagag ggcctctagt taacaataat gttttattat acctaacatt ttgctaagaa 360
aatagaactt acgttaaagt ttcttaccac aaaagtaaaa aaaatttttag aaatttaaaa 420
ataattgtag tgagccaaga tcgtgccatt gccttcaacc tgggtgacat a 471

```

<210> 638  
 <211> 326  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (326)  
 <223> n = A,T,C or G

<400> 638  
 anggnagnna ggntggaaac aactgtgact atnctacct ngctganacc cgtggaggat 60  
 ggatgaacat ctcttggatg gatgggactg aaactgaacc ttgaaagata atgctgagcc 120  
 tggataagtg cccaccgctc cctctgcca aattcaaac cttcatggcc cagtgcaaac 180  
 aactttctcaa aagccccaaa catctttgtc taacaggaag ctttttagctt ttttactgtt 240  
 ttgacattca tttccactt agtattatgc ttacttgtgt attaaccttg tcaccctac 300  
 tagactataa aattcttaaa aacagg 326

<210> 639  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<400> 639  
 agacgaggtc ttgccacatt gctcaggctg gtcttgaact cctggactca agcaattctt 60  
 ccactgtagc ctcttgaggt ggcaggatta cagcataagc caccatgcct ggcctcagtc 120  
 acactttgga aaagaagact atggatctac atgttcattt tgtggtcgaa ttataaccaa 180  
 cagccactc tatctgcctc cactctgctt tttccatgcc tgtacttaaa tgcttctcag 240  
 aatttttaat gtacctccct gccttttgcc atagatttta tactcactg 289

<210> 640  
 <211> 254  
 <212> DNA  
 <213> Homo sapiens

<400> 640  
 tctgataggt ggaagaagac aactctcaga taagacttaa gactttggac ttgacactgg 60  
 aatgagttca cagagtgaga gctggtggtt taagaaagcc tggcatctcc cttgatccct 120  
 ttctcttcac gtgatatgcc ctgttgccctt ctgccatgac tggaaagcttc cagtggcctc 180  
 gccaagaaca gatgccagaa ctatgcttcc tgtacagcct gtagaaccat gccaaataaa 240  
 cctcttcata aatg 254

<210> 641  
 <211> 285  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (285)  
 <223> n = A,T,C or G

<400> 641  
 ggancgnagg atgcgtgac acagctcact gnagcttcaa tccccggctc cagtgattct 60  
 cccacctcag cccccgagta gccttttgag cagggttcagt ctgggttaagt ccaanctgaa 120  
 ttgggccaat tgttttgatt tttaccctgg atgaaatact catatccatc atnntttatt 180  
 aacccccc ntnttacaca tntggcngca agtactggga ttcaggcaag agccaccgcg 240  
 tctagccaat tatacaattt ttaaaataaa ttgaaatggg cgttg 285

<210> 642  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens



```

<400> 642
aggattggca acgtaattca caaggcccag tggaaaatga aaatgcagga ctccttgcta 60
aaaataatta tgaagaattt caagatagca gagcattaaa tcactcacat agctccattg 120
cgtgaggggc tctgtgcaac tgtatgggtc acatgcccac gaaatggccc tgctgctaca 180
agagacaaga aagatcacct ctctgtatc agttcccata ttaatcacc ctttttgacc 240
attctacaaa tgттаactgt tatgcttggt attaaaaatt catcaagtgc 290

```

<210> 643

<211> 331

<212> DNA

<213> Homo sapiens

```

<400> 643
ttactatgag aggtgtgtta aaatctctct ctgaaagaaa gaaagaaaaga agaaaagaaa 60
gaaaagaaaa ggaaagaaaa gaagaagaaa gaaagaagac aaccctgtgaa gcttgctgca 120
tcagtggact cttccttttca caaacatttt ttctgtagta tgctatgctg tttagacagca 180
ttttactcac agtagaactg ctttcaaaat tggagtcagt cctctcaggc cttgccaata 240
ctttctcaac taagttttatg tagtattgta attcctttgt tgtcatttaa acaatgttca 300
tagcatcttc gccaggaata gattccatct c 331

```

<210> 644

<211> 401

<212> DNA

<213> Homo sapiens

```

<400> 644
gtaagcgatg ccaggggcagg ctcaggcatt ctagaagaga ggaagaaaag aaggcaacag 60
gaactaggag agagaaggac gtggacagga ggaggtgttt gactagaagt gcgtccaacc 120
aggccgggca cagtggctta cgcctgtaat ccagcactt tgagaggccg aggcgggagg 180
atcacctgag gtcaggagtt cgggaccagc ctggccaaca tggtgaaacc ccgtctacta 240
aaaatacaaaa aattagctgg gcgtgggtgt gcacgcctgt agtcccagct actcgggagg 300
ctgaagcacg agaatcgctt gaacctggga ggcgcaggtt gcagtgagcg aagatcgcg 360
cattgcattg cagcctgggt gacagagcga gactctgtct c 401

```

<210> 645

<211> 132

<212> DNA

<213> Homo sapiens

```

<400> 645
gtaaagatca accatcaaga tcaaagatcc ccagaatggc aaatacatatc gtgtatgggc 60
tcaaagttgg aagacattcc tctaccatct acttattctg gttatacatt aaagcatagg 120
agggcatagc tg 132

```

<210> 646

<211> 125

<212> DNA

<213> Homo sapiens

```

<400> 646
atcaccatct ttgacaagct atacctacta aaagatgtga agcagacacc tacattccat 60
gactcaactg taaagagaac acaaagctcc agtcatagga gaaagaataa aataaaactg 120
ctatt 125

```

<210> 647

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(290)

<223> n = A,T,C or G

<400> 647  
 gggcattcag ataagccatc atatcccctg tggacctggc acgtacacat ccagatggcc 60  
 ggttcctgcc ttaactgatg acatttcacc acaaaagaaa gtgaaaatgg cctgttcctg 120  
 ccttaactga tgacatgggtc ttgtgaaatt ccttctcctg gctcatcctg gctcaaaagc 180  
 tcccctactg agcaccctgt gacccccact ctgcccgcga gagaacaacc cccctttgac 240  
 tgggaattttt ctttacctac ccnaatncta tnaaacgggc ccaccctat 290

<210> 648  
 <211> 166  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(166)  
 <223> n = A,T,C or G

<400> 648  
 gggctcttgcc aagttgccc aagctgggctt gaacttctctg gacttcaagt ggatccaccc 60  
 acctcagcct cccaaagtgc tggggattat angggtgtgag ctgctccgcc cagcccagaa 120  
 gcaaaccctta tattcagtct cattggatta aattctatcc ctccgc 166

<210> 649  
 <211> 616  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(616)  
 <223> n = A,T,C or G

<400> 649  
 aacatcaa at agcaa atgaa tagcatcata agaaagtcna ganaaagacc ntgggagaaa 60  
 gaaaaaactt ttaccacgct tttttcatga tctttgaaca aggagctcta aattatcatt 120  
 ttgcactggc tctgtcccag ctcatgtttg ttgagtgaat aaataaataa ataaatgcat 180  
 acatacatat ttattagtag atggaacaca ctgattatct tccatttctt aacaacactg 240  
 tatgtaatca ggattgcagg catgttatga aatactagaa tagctgaata ttaaaattat 300  
 tctggaatca tgtatgctta ttgttggggg tatttgtgac gtctccaaag tcatcacagt 360  
 tttctcagca tcaatgtcct catctcacc cagtcctagt tctagtctta agtggaatag 420  
 attgnatcag actaatcctc tgacagacaa caacggncaa ctgtggatga aatttttaaaa 480  
 caactattta aaaatgccag agagcaaaca aaagcagaca agntagangg cttcaactca 540  
 cgaaatccan taacgtntctg actggagact catgcccccc ccccttgaca gaagggacag 600  
 aagctctatt gaaaag 616

<210> 650  
 <211> 101  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(101)  
 <223> n = A,T,C or G

<400> 650  
 angcagtgtg tggattacac tatcactgga aaaatacgna ttgagataga taggaaaacg 60  
 ctaaactggc agattagatt tttaaataaa gattggatta t 101

<210> 651  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 651  
 gtgaggacac agcaatcctc ccagaggatg cagcaacaag aacaccatct tggaagcaga 60  
 gcagccctca ccagacacca aatcgggcag cccattgatc ttagacttcc cagcctccag 120  
 aactatgaaa aataaatttc tttgtttat aaag 154

<210> 652  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 652  
 gagcagcttg ccaatttctg gaagaaagaa ggaggaggga ggaagaagg aagacgaaag 60  
 aataagagga agaaggagga ggaggagaag aaagaagaag aaaaaacccc actgggattc 120  
 tgacagggat tgcattgaat ctatagatca gtttggggag tgctgccatc ttaacaatat 180  
 taagtcttcc aatgcatgaa ccgtataaag taaaaggcaa tgtgagccac tctttactaa 240  
 t 241

<210> 653  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(353)  
 <223> n = A,T,C or G

<400> 653  
 gggcatnctn atanaccatg atatnccctg tgacctgcgc gtacacatcc agatggncgg 60  
 ctctctgcctt aactgatgac atttnaccnc aaaaanangng aaaatggcct gttcctgcct 120  
 taactgatgg cntggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180  
 cctactgagc accctgtgac cccactctgc ccgccagaga acaaccccc tttgactgta 240  
 attttccttt acctaccgga atcctataaa acggccccac ccctatctcc ctttgctgac 300  
 tctcttttctg gactcaaccc acctgcatcc aggtgaaata aacagcttta ttg 353

<210> 654  
 <211> 609  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(609)  
 <223> n = A,T,C or G

<400> 654  
 tgnanctgaa nngcngtgct agnatctgct tatcttctctg ggaggcctca tgaaacttac 60  
 agtcctgggtg gaaggcaaaag tgggagccgg ccagtcacat ggccagagca ggagcaagag 120  
 agcgagggtc accacctccc tcagacgttt ctgggacaga tccaagccag cagagcagct 180  
 gctcgctcca gagccgtggt gtcttctctgg tgcctcagcg ccaccgcgtg gcaaaacagg 240  
 gcaactgtag gaatcgactt tccatctatt tggagctcat cagtgccttt cttttagggtg 300  
 acaacagagt tgtccggcag gtttttcctt tcttttcttc aagtagggta acattagttc 360  
 acatctgctc aaaataattt atgttcgtat tctaacagac tcatatggca ggaacaagaa 420  
 gtgcacatgc caaaagaagg cagaggactg caggagcaag acgggttgca aaggggccgt 480  
 catgactanc acaatcctgg cccctcttct ttcagcntta taaagaccag tanaataata 540  
 ntgcatgagt tattgtgcag tancactttt caaaaatata tacattgngg aaacagaccc 600  
 ctccaaaat 609

<210> 655  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

<400> 655
gtgggggtctt tcaagatgaa gaatcaagaa aatgtttgct gcagccataa aaaggaatga 60
gatcatgtcc tcggcagggg catggatgaa ggtggaagcc atcatcctca gcaaactacc 120
acaggaacag aacaccaaac accacatggt ctcaactcata agtcggagtg gaacactgag 180
aacatatgga cacagagagg ggaacaacac acaccaggcc tgttgcgggg tgggggctga 240
gagganggaa cgtacaggat ggtcagtagg tgcagcaaac caccatgaca cacatatacc 300
tatgtaataa acctgcncgt ctccnnnnn nnnnnnnnnn nnnnnnaaan ggnggggggg 360
gccttttngt ttgggtttta acnggggntn tttttttaa aggggggggg g 411

<210> 656
<211> 296
<212> DNA
<213> Homo sapiens

<400> 656
cgccctgtt gagcagcaag ggctccaccc agcaccagac acatggctgc agaccacagg 60
gtttggaact ccacagacac agaggcagca gcagcttttg gaatgtttca tccgttccct 120
gctatgggtcc ctcatcagca tcctgcagtt ctgacctgcc caaccctacg caagaacttc 180
tggtgaaact ttctctaadc ctctcacttt ccttcaagac ctttacttcc gccagtcct 240
ctactatttg aggaaggacc aatttctata ataaatccct taatcccata atacc 296

<210> 657
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

<400> 657
ggactgtgct aggaaccggg aatcctgtca tgaacaaaca cactccaaac tggaggggaa 60
atctgaaacc atctagtcct ttgcactcca ttttaaggatg aagaaagtaa ggccgagagg 120
gggaagcaga gtgacctgct caaggtcaca gagaaggatg cgtgggtgtac aacgacctg 180
acggcatgct gaccgtgaag acaaactgca gagattgatg tggatatatt agctgaattt 240
tgtgactgag ggctgtttaa gaacgagaag agaggagaga aagccttatt tggaggccta 300
gaagtacacag actgagacgt caatgccaaa tctttcattt cccactgtgg ctttttgttc 360
tctctctagg aatagcaaga attttgtaca tagctgggaa tgaaagcgaa gaaaatgggc 420
ccgggataaa gggtgagaaa actattttct tttgaaaggg cgggcttcca nccttggccg 480
ggggggccaaa aaaaaaagggn ccctggatgc tttttttgac ccg 523

<210> 658
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 658
ccttgggtgag gtaagaagag cagctgtgag aattaacaag accagagttc tgtgcctgga 60
tccgttcttc atctatgggt gacctcacia gtcctctgcc tcaattctgt caccgaaaga 120
atgaccattt tacctgggtca ggccctggca tcgggtaagc ctcgatcaa atctcatctc 180
catcacttgt caggggaaat ccttaaccaa ggagcaaggc atctgtcttt accaaggtca 240
gccaaccacac tggcaccag acatcctttc caccacccc gacttgctgc agggctcaga 300

```

```

tttcatcaag tcctctttat caagttccta ttacaaggca ggcatagtta tgcagaagaa 360
gaaccagaca aggctggagg caagacatgt atgtgagggtg tgtggntca aaagtcanga 420
ggctacatct cccttcnaat atatttncct ttnaatggat tttctatgaa c 471

```

```

<210> 659
<211> 303
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(303)
<223> n = A,T,C or G

```

```

<400> 659
tcccatccga agcacgtgaa catctacgga accttccctg cagttaccgg tcgccgctca 60
cctgctgggg cgcgagggtgc agagactgta ccgaccgagg acccagaggc tgtcaccacg 120
gagggggaagt cctcagctgc acagggttggg ggggggggggg ggggnccnac ccatctnttn 180
aggttttnnt tcngccttgt tttttnttcc caaaantttt atttttgggg ggnctnnatt 240
tttnncagna cccttcgntt ttttnanttt ttgggttnnn antaaatacc ctgaatttta 300
ccc 303

```

```

<210> 660
<211> 526
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(526)
<223> n = A,T,C or G

```

```

<400> 660
agccagtgac agctgaaatc ctagaagacc tcacaactgt gttaaatttt cacagctgac 60
cacttaaagg cagttctctt caaataagag agtctcactc tctcaccag gctggagtgc 120
gggtggcacga tctcagctca ctgcaacatc tgccctccag gttcaagaga ttctcctgcc 180
tcacttacat agatgagttt gataacagtc aagctgaaac taaaaaggcc atgatgagat 240
aaaagatcaa ctaaggaaca agcgtgaaag gcagctttca ctgaagtcct gaacctatga 300
ctgatcttac caggcatgcc aggagaatac gctgccagggt tccctcacct ctaccctcca 360
actacagatt gaaaagtctg ctttgccctc tctaaaccat tgcgtcttga acttaaatgt 420
gctgataaac taccagagaa tcttggttga aatacaaan tntattcncc nccgnttngg 480
aanggggnac cnagaaatth tnttttttcc aacaagcttt taaggg 526

```

```

<210> 661
<211> 499
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

```

```

<400> 661
caatgatcac angcatcttc accaagagga gcttccatct caagaaagca ctctctcttt 60
gctcatccgt aagaagaaac tccccatcta ttcaagttgg atcatgagat tacagcagtt 120
cagtcacata ttcaggcttc acttccaatt ctagtctctc tgctgtttcc accaaatctg 180
cagttacttc cagcagtgaa gtcttgaacc cctcaaagtc atccatgagg gttggaatta 240
atttcttccc aactcctgtt aatgttgata tgggtgacct tccccattaa tcataaatgt 300
tctttttttt ttttgggaaa gggngtttna nttngcccc nggnngnagg gcaggggggg 360
ggnttgggtt aatngaannn nccnctcng ggggttnccc anttntcntg cctaancctc 420
cnggggaggg gggaaaaagg gggccncccc nnggcccggg tatttttttt gtttttttta 480
aaaaaaaggg ggggttcccc 499

```

<210> 662  
 <211> 497  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(497)  
 <223> n = A,T,C or G

<400> 662  
 tcaaccctta caggccctgg gactcctctc cgtccactgg aaaggcaact cccacaggat 60  
 ggaatccgct cttctcccca gctctgtga gcacctcatc agacatttta agcagctgtg 120  
 tcacatgact tccagtacag ggagccccac accaggcttc catgccagct ggttactccc 180  
 aggccctcctt gactgggtact aatgcacat gaccctcgca agtgcccatg ccaggagacc 240  
 atgaacttta cctcgatgga cagccttctc tcctatgctc cagctattct ttttgaggga 300  
 gattaccgaa tataataagc acatgatatg tacatatgca tatatacacc gtttgtgcat 360  
 gtgtatgtat agagacacat atgtcactaa aataactgct cacagatatt taatttcaaa 420  
 ctttcatttc ccctttacca ctttntnggc ccaatcttcc ccaacaaaag ccgaggggga 480  
 ttaaaccggg tttgggt 497

<210> 663  
 <211> 580  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(580)  
 <223> n = A,T,C or G

<400> 663  
 gtntgcatcg ncagcttnna tatcnnnat gtcgngggcc tngngnaact tacaatcatg 60  
 gtnggaaggg gannaggaag cncggcacct tttttacaag gcngcaggaa ggagaagtgc 120  
 taagngaagc aggaagagcc atttataaaa ccatcaagat ctctgtgagaa ctcacacact 180  
 atcacaaaaga acaggcatgg ggaaaccacc cccatgactc cattacttcc caccattccc 240  
 ttccaggaca tgtgggggga ttattggggg attaccaatt caaaggatga agattttgaa 300  
 gttggggggac caaccatata actattttgtg aagnatgctt ttattattgg gcaaatataa 360  
 gttatttgca taaaagttca ttaaagtata ttgctctttt ttngnaacaa gggacaaatt 420  
 gggaagcccc ttggattatt attacaaaaa ggctttttga ctgggaaata attatatctt 480  
 tccaatatga agtaagacag ctttttgaan ggaaactggg ngggtnggaa tttttttaa 540  
 ggcttttttaa aanccccctn gggaaaaccc tgggccctta 580

<210> 664  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<400> 664  
 ctatatcatc atggtatttta ttaagccact ggagaggcca gaattatatc agagatacaa 60  
 ccagcctgcc actcattggc ctttaccctc tgtgatgttc ctgacactgc cagcaaaacc 120  
 tctctatcac agacttacag cttcctccag ctgcaagaaa ccctgggtctt gttcttatct 180  
 actaagcaaa tgaatattat aatcgacaaa taaatgagct tgattgggtc ctcatccact 240  
 tattcactca tgtcacaaaa attaagtga ttacaaatat ggaccaagca ctgaattcat 300  
 ttttaaaaaat ttaatgaata aataaaatga tatgagtaga tgcataaatg aacaaatgac 360  
 taaaact 367

<210> 665  
 <211> 461  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1)...(461)  
 <223> n = A,T,C or G

<400> 665  
 aactactatg caaagaggctc ctgctacccg tgctggagag acctcatgta gagactgcag 60  
 ccacatggag atgagcttga agccatccag gacatttcag ccacagatga gctccagctg 120  
 aatgcaggca caggtgtaac cccagccaac accacatggg gggcagaaga accatacagc 180  
 tgagcccagc caaccacag gctttccaga aacaagccag gagtgagggtg ggactcttct 240  
 acattcagtg actcaatttg gtcagaacta aggacaatga ggaactggcc ttgggtgcaa 300  
 aatttaaggg agtgcgaaaa attgagtcac tgagataaat tatattttta tgcaattttt 360  
 aatgcaatat tttaactaat aaaaattaat gccccaaaaa aaaaaggcca gcgnggccaa 420  
 ttcagttttg gacttaaccc aggctgaact tgcttaaaag g 461

<210> 666  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(530)  
 <223> n = A,T,C or G

<400> 666  
 atgcagtctt gctccatcac ccaggctgaa gtgcagtggc aagatcttgg ctactgaaa 60  
 ccgccatctc ccaggttcaa gcaattcttc tgccctcagcc tcccagtag ctgggattac 120  
 agatagtagg actgaacttc tgagagggtta agcgacatgg cacagattac acagaagaga 180  
 aagattttga agatcagatg aagtagttac cttggaatac tgcagaagaa gggctctggct 240  
 ctgttgccca ggctggagtg cagtggcatg atctcaggtc acagcaacct ctacctctg 300  
 ggctcaagtc ctcccacctc aggtctcctga gtagctggga ctacgggcat gtgccatcac 360  
 actcagctaa agttttgtgt tttttgtaga gatggagttt tgccatgttg cccaggcttg 420  
 ggctcaaaact cctgggatca agtggatctg gctgggtcac ccttccaaag ggtnggaata 480  
 ccngtgggga gnactttgnc cggcccaatg gattntttt tttgggctga 530

<210> 667  
 <211> 136  
 <212> DNA  
 <213> Homo sapiens

<400> 667  
 atgaggacac tgagggtgcaa gacgtttgag gttatccaag ttatccaggg tcacacaact 60  
 gatgaggaaa ccgagcctca gagaagtaaa gtgaaacacc caagttgata gtgtcaacaa 120  
 attaaaagtc caagcc 136

<210> 668  
 <211> 518  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(518)  
 <223> n = A,T,C or G

<400> 668  
 gccacattg ccgtgcggtt gggccaagta actcnttgac ccgaggaacg ngntgtgnga 60  
 cattgcattt nggatggcna ttgaagggga tgtgctattg cccanaatat tccaaacctt 120  
 gggacccgnc tttagagggc atggctgnct tcaggganga agccggactc ccaaaattgt 180  
 tggcaaaatg acccccattt taacncttca ngcatgngga gaatgcatgc cctgnagagn 240  
 agggatccat gaatggaaga tcttgtggcc aagattggcc ttnatcatt tcacctctcc 300  
 aaacttccat ttcttcncaa ggnatgaatg atgggaaata naaattgacc tggcngtgaa 360  
 tgccctggaa ancncngtg ctgaatcctt aaccacctta ctnnntacct tttccttaag 420

```

cnttnncccc tgggcttaga aaattaattc accgnagggg gnttgnggtt ntggcttttg 480
aaaaaaaagcc ctngncttct ttncctgga atgggaat 518

```

```

<210> 669
<211> 296
<212> DNA
<213> Homo sapiens

```

```

<400> 669
aatctccctt gttgtggatt tcagaccttg agtgtacagc tccccatctg gactctcgtg 60
aaggctcgtg taaacaacac acagagcatc tctttgtcac gggctcagct gacacgtctc 120
cctccctcac cactgccccg ccagcctcca gcagcacatc tgcggtggac aatgagtctc 180
atttcacatt ttggctctgc ggtaggcatc atcatgggga cagaatacac accacaagat 240
aataaacaag ggactgttca agaacaaata tcaaaataaa gacaaaagga aagagg 296

```

```

<210> 670
<211> 338
<212> DNA
<213> Homo sapiens

```

```

<400> 670
ggacacttgc ccttggaaacc ttgtcttaag gaaaccacaga tcgaatgcac agactacatt 60
ggttgttgtg gttgacagtt gcagctaaga ttcaagccta cagccagtat ctgaccaga 120
tatatgaatg aatgagcctt tcttgccctc agccttggtc tgttctaccg gatactgaag 180
tgggagaaat aagttgtccc cactaaggac tgctcaagtt acagatttat gagcaaagta 240
aatgttgtca tggatttcag tcactaaatt ttgggtggtt cattatgcag caataggtaa 300
cacaaactat taaagtcttt attagtataa caagcccc 338

```

```

<210> 671
<211> 452
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (452)
<223> n = A,T,C or G

```

```

<400> 671
ctggcgtgtc cgaatgggct gagctaccgg attaagaggg acaccccaaa gccccattg 60
ctgggttatt gctccagagc caatgttctt ggggaaagga agatatgcc tttgtcaaca 120
ttgccactgc tggctctgtaa actcctagac ggccagctgg tggttcacia accaggactc 180
cttgetcttg ccctaccctt acctaccaga atgaccgtga acccttcccc actcactcct 240
acaaccagg ttcctctctc tctctcagct taggtttccc taactgtaaa ataaaagggt 300
tggactagg taaggaattc ctgctatttc tctctcccac actctaagnt tccttaggaa 360
tgcttcagaa aacagcangg gttggggcaa ggatgccact tgagtcccag agcaacttca 420
atttcatagg gcacataaat ttatgtgaaa gt 452

```

```

<210> 672
<211> 513
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (513)
<223> n = A,T,C or G

```

```

<400> 672
ggagaagaat aacatttatt taatggatgc tgagcaaaag gtattcacia ttcattgttc 60
agggcttaag cctatccgag atcagaaggg aacttttcca gtctccaaat tgtacaactg 120
ggagctataa cactcaccga gaagatctgc agcttctctc ctgaagccag cgagaccatg 180
agcccaccag gaggaacgaa caactccaga cgtgctgect taagagctgt aacactcaca 240

```



```

gcgaaggtct gcagcctcac tcttgagcca gcgagaccac aaacctacca gaaggaagaa 300
actccgaaca catctgaaca tcaaaagggg cagcctccag acgcgccacc ttaagggctg 360
naacacttca ccccgccng ggnaaaagnn ggggggggtt tttccccccc gncccnnggg 420
ggggnntttt ttttcccaa nttttttccc ttttttnggg aaaaaaagnt tnccccaagg 480
ggnnngggggg agggggaaaa accccccccc aaa 513

```

```

<210> 673
<211> 150
<212> DNA
<213> Homo sapiens

```

```

<400> 673
gagaaataca ggttttagatg agacttggtg gactcaagtt ctttcctcca cccatggcct 60
ctactcgggg agctgggtcaa atgtggaatt tcgaatatca aatatgtata aaataaatag 120
atgaaagagt acatctcaaa aaaaaaacc 150

```

```

<210> 674
<211> 423
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

```

```

<400> 674
agttgatgag ctggagaatg cgactggcag cacaggccta gggcaccaga gggcagactg 60
tacagagacc tgtgagaatg gtcagaactc catggatcat gatggaatga tcagggacac 120
tataatagcg ttcattttat gtattaagcc agatttgac aacaattcca ttgtaataca 180
aatgtaatct ttagaagtaa ttttaaagca gcaaagttag aaatgccaac cctcaagtaa 240
aagaaaacaa ttttcctaag ccaaagtgtc tttgtgagag atttcaatgg tcatttgatt 300
ttagttttaa gatcatctga ctttatgatt cacccgattc ttaaatgcac atctcaaata 360
taattgggtcc ttttcccaa tttttttttt tggggggggg aaaggggntt ttttaaaaaa 420
ttt 423

```

```

<210> 675
<211> 497
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G

```

```

<400> 675
ctgccatgcc atgaagacac tcaagcagcc ctatgaaaag gtccacttgg ggaggaactg 60
agacctcttg ccaacaacca tgtgagtaac ccgtcttgga agacgatcca ccaaccccag 120
tcaaggcttc agatgactgt cactccagcc aacatcttga ctacgacctc atgagagact 180
ctgtgccaga accacccagc taagctgctc ctgaattcct gacccccaga aactgagata 240
ataaatgttt attattttga gccacaatat ttttgggtaa tttgttgga ggcaatagat 300
aactaatata ggctctcata atgtcattta tttgggtcca gtcagcatgc ttttaagatct 360
gggagggttt tttttttttt tttccccct ttttttttcc aatttttccc ccccnathtt 420
taaaaaaatt ttccnnttta aaaaanccca aagggcccaa aaaatttttt tnttttttnaa 480
aagggggggg gaaaaaa 497

```

```

<210> 676
<211> 517
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc\_feature  
 <222> (1)...(517)  
 <223> n = A,T,C or G

<400> 676  
 atggagtgctt gctctgtcac ccaggctgga gtgcagcggc gtgatctcag ctcactgcaa 60  
 cctccgcctc ctgggcttaa gcaattctgc tgcctcaggc tccaagtag ttgagattac 120  
 aggcgtgtat caccacatcc ggctaatttt tgtattttta gtagagacga ggtttcacca 180  
 tgttggccaa gctggtcttg aactcctgac ctcaagtgat ctgccacact cggcctcaca 240  
 aagtgtcagg attataggca tgagccactg caccgcactg tattgttaaag catattgaca 300  
 ccttcaccta actgtgtttg gatcaagtca ctctgggaga aagccagttt caatatcctg 360  
 aagatactta agcagtcctt taatttttgn gggggaaaaag gnaaaaagga aaantttttt 420  
 tccccgnttt ngggggggcc ccaaaaaggg ggggggnaaa aaaccctttg gggaaaaaaa 480  
 ggncccnttt tccccttttg ggtttttccc caacccc 517

<210> 677  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(407)  
 <223> n = A,T,C or G

<400> 677  
 gcgtatgtgg acataaaaaac aagcttcata tattgtgtgt cataggggac tgccctacct 60  
 gccaagggtc tctactggatc tctgtactca tttcctgttg ccagctgggtg gacaatatgg 120  
 tgctaagaac tcaagaagtt ggtcctcacg ttgaacctca gaggtcacca aacctttctg 180  
 gatagctgct agggagtttc tggaggtgct caatagtgc atagtgtcaag ttgagaaggg 240  
 acagctgatc ttccagggtg gagatggatc cactccccac tctcataaag aagatgtggg 300  
 tttgtttgac cttcactata taggaaaaag cctcacaaat tcttcanccc cttggatgga 360  
 ggcttnaann cncccctttt tnncccnaaa ncnaaaaacc tttttgg 407

<210> 678  
 <211> 343  
 <212> DNA  
 <213> Homo sapiens

<400> 678  
 ggtcctgtct gggctgtggt cagagggaca tgtggctttg gaagaacggt cggagagaag 60  
 caacattgct ggctctgatg gaggaagaaa gccgaggaat gccgccagcc tctacaagct 120  
 gcagagacaa ggaaacagac tctccccac aacctccaaa gagaaacgca tgctgccatc 180  
 accctaatac tagtctggcc tgcagaacca ggagtgaag ataatacata tgtgtgtgtt 240  
 taagccacca cgttcgtgaa atttcttaac agcagtagta ggaagcta ataccgcga 300  
 agtagagatt gattaatttg gtttaataaac aacaactcct agg 343

<210> 679  
 <211> 511  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(511)  
 <223> n = A,T,C or G

<400> 679  
 tggcaagagg aaaaacaagc aagtccaact ccacaggttt gtaaggagca gccagctttg 60  
 atttgccttg cacgtcatag ctcagaaagt tttgctgctc atacaatcct cagcaaagac 120  
 catccattca ttccgggatt cccccagctc atggacacag gtccgtctct aactacagac 180  
 agccttcttc tggaaactct caccagcctg atttctaaac tcccagtcca ccttcacatt 240  
 gtttgccctgt tttcagtgc tttcctctgc agatctctca gtaggcagcc gtaaggagtc 300

```

agcaaaggct aacacggctg ccctcagctg gaaacctagt gtagtgccta ttacatttct 360
cctggggaac ccnnaaaanc cttttttccc cccntttttt tgggtttggg ggaaaaggga 420
aaaaaaaaaa gggggggggc ccnaaaaatt tttttcccaa aaaaaaaacc ccctttcccn 480
tttaaatttn cccttttttt taaaaaaggg g          511

```

```

<210> 680
<211> 155
<212> DNA
<213> Homo sapiens

```

```

<400> 680
aaactttgtt ccttggacct tctgctccac aggcaagaga gagaatttgt ccaaatacac 60
gaaatggagc tcaagaaaac ttcatctgat tctcaaagaa cacacatctc aactgacatc 120
tggccccaca cttggtaata aaagtgcatt ggtgc          155

```

```

<210> 681
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

```

```

<400> 681
agacgggggt tcacccatatt gccagggctg ttctcaaact tctgggctca agcaatctgc 60
ccaccttggc ctcccaaagt gctgggatta gagaggcttt cctccccctg gatgatagtt 120
gcaccaccat caaccagtg gctcaagtct gaaaagtcgc tcaagtcac tttgaatatt 180
ttcccagctc cctacatcca actcatcagc tagtccaatg atttcaaagt ctaatcggt 240
tcttaaatct gtccactttg ctctgtaatg cactgccacc agcctgatcc aaaccaccat 300
cttctctcac ctttactaca agagcctcct ttctctaata atgccttaac ccagatcag 360
ttcttttccc tttttttttt ggggggggga aaaaggngtt tccccttttg gggaaaagg 420
ttttaaaaaa anattttccc tttttttttt ttttaaaaaa aatttaaaaa nccccaaatt 480
ttnaaatttt aaattttccc tttgggggaa aa          512

```

```

<210> 682
<211> 536
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

```

```

<400> 682
actgaggtgc agtggctcac ctgtaatccc agtgcttttg gaggacaagg caggaggact 60
gcttttagccc aggagttcaa gaccagcctg ggaaatactg caaaactcca tctctacaaa 120
aataaaaaata aaaataaatg agccaggtgc agtggcgcac gcctgcagtc ccagctactc 180
agaaggccaa ggtttctaata aaccataaga tcataccatt ggactgtgtg aaaattttca 240
gaactctaata gaagaaatga atggcttcat gaaactgcc aagcaagatca agcagatcaa 300
gaattaatta ccgtgaaact gaactgatga agatttaaaag aaactatttc tcttaagctt 360
tctagagctt gcagagatct ggggtcaggc cccnaatttt taaattttta ancccttttt 420
tttttttttn gggnnngggg ggaaaaaacc cncctggggg aaaaattttt ttnggggggg 480
aaaaaacccc aaaaaatttt ttnacccctt tttttttttt tttttccccc tttttg          536

```

```

<210> 683
<211> 372
<212> DNA
<213> Homo sapiens

```

```

<400> 683

```

```

taactgtgct gaactcatca tactgatttc tgggactctg gagcaacaga tatctacaat 60
ggagtctcat tctgtcgcca ggctggagcg cagtggcgca atctcgactc cctagttcaa 120
acgattctcg tgcctcggcc tcctgagtag ctgggactac aggcacgcac caccacgccc 180
agctaatttt tatattttta gtagatacgg gggttacattt tggccaggat ggtctcgatc 240
tcctgacctc atgatccgcc tgcctcagcc tcccaaagtg ctgggattat aggcacgagc 300
caccgcacct ggcctcaaaa agagctcttg aaatattagg gctagtttag cttttgtcag 360
tattggaatt tt 372

```

```

<210> 684
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(470)
<223> n = A,T,C or G

```

```

<400> 684
gagtggatgc agaatttgtg gaatttaaag cttacataat ggctttgaga tcccatgggc 60
tcaagaaaca aatgaaagag aacatctctg cccagccata gaagaaacta ccagactctg 120
aagtggaacc acttatacca gtgcatctac accaaaaggt ggaatgagag tggctgcttt 180
tctggcagcg tggagacgaa cattagaaag aagatgctgg atttgggtag catgaagcag 240
tgaccgtgtg cccacacccc agtgagcagc aagaaccccc tctaggactg gtggagctgg 300
aaccatcatt aaaggataaaa ctgctcatct caaaccagag gcaattaagt gacagagggt 360
tctcgatccg acgacttcct ttccnaaaag gccctttttt tttttttttt tgggaaaccc 420
naggnnttgg gggggggggccc ccccactttt aagggccccc aaaaattttt 470

```

```

<210> 685
<211> 540
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(540)
<223> n = A,T,C or G

```

```

<400> 685
agctcctgct tagactnctg nattcctcta actgagnatc canttaagga accaatgaac 60
atggagggag gatgaaacct gatgggcacg ggggacaagg ttcccatgat acagcngcan 120
taanagnctn tttngncttc cttgctcact gntnaatatg gctgaactac gcangnggtc 180
canggagact tggagcagcc tgtctgaggn cactgaataa tcccaganac acatccacna 240
aactgagcca atactataag cacagaacat ttttanaagc tgtgggacag aggaaggccc 300
ttcccaagat attgcttcgg gaccagaat ttaaacattc accattggct tccggtcatg 360
caggctgtca catgctcctg aaaaagaagg gctgcgtgat tttnaaaaaa ncnmantttt 420
tttttttttt tttcnaaaac cccccctttt tnttttttgg nggggggnga aaaagaaaaa 480
ntggggnggg gngntnntcc nnaannccct ttttttntcn ttgggggggg ggaaaaaaat 540

```

```

<210> 686
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

```

```

<400> 686
ctctgaaaga tagttaggat gagaaaacga ccctcattgt aaagatgaag aaaccgaagt 60
tcagagaagt cacaactcta caaagtggca cccccaggc tagaacctcc ttcctctcat 120

```

ttgaagggcc	accaaaccag	ctgttcccct	catggaagag	gagcatagac	ataaaatgtc	180
aaggcaatgg	ggaaggggca	gagaaaaggc	acaaacactt	ggaggagaga	cagaacaatt	240
aattggcaca	aaaatacagt	attgggtgtca	ggaggctttg	gtgggcttgg	aaacatcaag	300
cagcagatct	gaaggaaatc	cagccctggc	atgaaagaaa	cggggcaggc	caggcgagct	360
ggctcactcc	tgtaatctca	acatttttga	angcaaangc	gggtggatca	ccttga	416

<210> 687  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (469)  
 <223> n = A,T,C or G

<400> 687						
cctggcagaa	tctggccaac	ttggccattn	ntnttgggcc	gnggttaact	ntggnttntt	60
ntcctggntn	tttgtttngg	cctgcaactc	cggttttgct	tccttgccctg	ccccctggct	120
taaaagaaaa	ggacggggag	tagggatctg	gaaggacact	ggccccaaaa	cagggaatct	180
gagcaccagc	agccacgccc	cagtgggtta	accttaaccc	gtgccccatgt	taaacgcttc	240
tgggtggcgt	aagcaccgtt	agctatgggt	agctccatgg	ggatcatgtt	ggcatccacc	300
tatattgcaa	gttctgaaat	gataacattt	tanaaatgga	tggacaaaat	ggatgccag	360
ggttaaagaa	aaaagtgtgt	attaaaaggc	nacaccgaag	gtccttcaag	tggntgnaac	420
tggttnataa	cntgnctgtg	gtangngnga	taccccaatc	ttccaaagg		469

<210> 688  
 <211> 608  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (608)  
 <223> n = A,T,C or G

<400> 688						
gaagaactga	ccannacccc	tttangaacn	ngnggggtctt	caaaagggan	aagtgggnan	60
cctcaaagtg	gggggggcaa	agggcccttt	ggtttggcca	cattcaacgg	taaaaaaatc	120
tttaacgggg	tcttttaaat	ggccctttca	cgggnccang	gaaaccttca	agctttcaaa	180
aagnaaaaac	ncaaaaccgc	gtcaatggct	ntcattttaa	tttncncttt	aattcggggc	240
ttccaaaagg	aaggtgggag	gaaatagctt	gggtgggtca	ctgtcccaag	acactggaag	300
aatgggcant	ttcaaagaat	ttttctcttg	gcaattcttg	gtcctcttga	aacaagactt	360
tggaaacctt	ggtcttgctt	gggtttccca	aacccttggg	gttacnacat	tnaanaaacc	420
atggtgcctc	caagggaacc	cttcacntn	ttgggaagtc	ttggaanggt	ttgaagcccc	480
canaggaaaa	cctcttatgg	tcttcccatt	atttttccat	ttccaanaac	aacccttntt	540
ntttttttat	tggaaaaccc	cnttgngaa	aanngggcnt	ttaacttcaa	ntntttttta	600
aaaacatt						608

<210> 689  
 <211> 174  
 <212> DNA  
 <213> Homo sapiens

<400> 689						
gttgctcac	tgggaagccag	gacacctatg	gacaccttaa	ggcgattttc	tctggcaaga	60
agtgagatc	tgatacagac	ttttcaagaa	tgtctcattg	ctttagacaa	ttccctgaca	120
ctacctgtct	ggtttctttg	attagcaaaa	ataatcatag	taaaaatacc	aatc	174

<210> 690  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(399)  
 <223> n = A,T,C or G

<400> 690  
 gaggctcagt ccaacagccc ttgaagaaaa gaattccacc accaccaaca acaataagct 60  
 tggaagtggc tttttctcga aataaaacct tcaaatagaga cctcagccct agacaccacc 120  
 ttgattatgg ccttgtgaga gagattctaa agcagaaggc ccaggtcagc tgtgcccaga 180  
 ctctgattg aaagaaactg tgaggtactg gccagacgaa gtggttcaca cctgtaatcc 240  
 cagcactttg ggaggccgac gtgggtggat cacctgaggt caggagtctg agaccagcct 300  
 ggtcaacatg gtgaaaccct gtctctacta aaaatataaa aattaaccca gcatngnggn 360  
 gngtgcctat aattccactt ctccaaagct tgaggcaga 399

<210> 691  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(457)  
 <223> n = A,T,C or G

<400> 691  
 gaaagaagca gacaccgagg gagaatttta aagacttcaa agagcccgag tggactacca 60  
 catccctgta gctggcagtc ctatagctgg cggctcctact tgtccagtaa gcttccaaac 120  
 attggctcct ctctgaaaag gtcaccctgc ttttcagaca gaatttgtga ctctcggcag 180  
 ctgggaatac tttggaaactg aagagaacct attaggagag agaaaaaaca gagtcatgat 240  
 taagcaaaaa aaaatggaga aaagattcac ctctaaattt tatttaaatga caacaaaaac 300  
 acacaacatt tctctttgat tcataacgtt aataaattct acttatcgtt tgcaataatt 360  
 ccaagnggtt ctaaaaaacat ctttatatta aaaaagagtt ccatattagt ttgaattact 420  
 tcangaaaaa aatggcctat tccncccttc caagctt 457

<210> 692  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(431)  
 <223> n = A,T,C or G

<400> 692  
 gggatggatg nggtaccagc aanacttacc aatgagtacc tngaccgntc tttcatagnag 60  
 atcccnctgg cagcaggcca tgaaccacaa gcctctntcc atcaccctgc tttccgggctc 120  
 ttctccagct ncaacttggtc tgatgaataa ttccaaccag cacttccaga agcttgagct 180  
 gctctttggc tttgataaca gctagctttt tgggggttac ataaacattc acatnttttg 240  
 taccgctggt ngacaatgac tcctggcttc tgatnggact gaggccttana aaggatctgg 300  
 gccatnggna tggtnntttt tttattgccc cncttnggta aaaaaccttt cctncttnaa 360  
 aatttgggga accgcttgan ggngggggca nanatttttt ttttttttga aggntcttca 420  
 aagaaaaaac c 431

<210> 693  
 <211> 618  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(618)  
 <223> n = A,T,C or G

```

<400> 693
tcagaaactt ganggaaaag aaccttgggt cacttaattc tncgccttct nggaaaatca 60
anncttngtt atggacctcc ttgnatngat ccnacttgag accccaccan nttnggcccc 120
acccttgctt gggggggaat taagaaaacc cttcntcttg tccanaagtt aaaggggggc 180
ctggaattgg ggttccaagg gtcacatttt tttgggaacc ttcaanggtg gacangggcc 240
agaagcccca aggtnccccc anggacaagt ggcagccacc tttgtnccaa ngccggggcc 300
ttccccgttt ctgggcttcc cgggcttgaa ctttccttgga gaanaaagaa ggaaanggtt 360
cattcttgaa ntttgccaga aaaacttggg aaagccaaga agaaccacca agtttangga 420
agcctactta ccaacttatt tccangggca aggaaaaaga acaagttggg cctttgggaa 480
ttggggggaat tgtnggtatt ttggaaaagt ngggaagact taaccanana nggttccttt 540
gggnaaaatg gtaccantcn tttnttagct ttcccaaan aactttgctt gcttnggtgg 600
gggaaatggt tccaaggt 618

```

```

<210> 694
<211> 435
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

```

```

<400> 694
gaaagaacct tggtcactaa attctacgcc ttctggaaat cactctgcta atgacttctt 60
gaatgatcga ctgagaccaa cagctggccc agccctgcat ggaggagtaa gaaacctca 120
tctgtcagag ttaagggggc tgaatgggta caggtcacat tcttggagct caaggtgaca 180
ggccagagcc cgggtcccca ggacagtgca gcacctgtc caggcggggc tcccgtttct 240
ggctccgggc tgagcttctt ggagaagagg aaggttcac tgaattgcag aaactggaag 300
cagagagccc agttaggagc tactacaact atccaggcaa gaaagacagt ggcttggatg 360
gggatgtggt attgaaagtg gagactanca naagtcttgg naatgtcatn ttatactacc 420
aaaacttgct gctgg 435

```

```

<210> 695
<211> 282
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(282)
<223> n = A,T,C or G

```

```

<400> 695
taaccagtga ggaactgagg tctcccagca accacctgtg tggagttgga agcggcgctc 60
tctctctctc tctctccagc aaccagttag gaactgaggt ctcccancan ccacctgtgt 120
gaagtnggaa gtggattcct tancctcagt caaaccttga aacgactgaa aacctggnca 180
acagcttgtn taaaacctca tgagagaccc taagccanac tcncttacct acagaancct 240
ttatntgtat ctctgaataa atgtntgtta ttttaagcta ct 282

```

```

<210> 696
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

```

```

<400> 696
aacgtagctg ttttgaaaaa acaaagcata tgcattcttc tcaaattggca acttaaagaa 60
acaggagggg aaattctcat ttcttttggg aagtaaagat tcctctcttt ggtaaaagaa 120

```

```

acttctttgc attcactgaa caaccttccc ttaagagggg accaacaccg cctgatgatg 180
ggcaaaactga ggcttacaga gatgggagac tgcctgcacg ggaccattca gctcagaaac 240
agtggaaacta gaacttgagg ccatgccttt cagagctgct cccatcttct tactgtccat 300
gccgcctctg gcactttata aatgacagag ggtccgatat gggcatcatc acatgggttac 360
ccatggtagc ctaaagtgca gacccaagc ctctcacctg gacatctgcc aaaaagctg 420
taatgcantt gaaaattggt cttcccttgt g

```

```

<210> 697
<211> 278
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

```

```

<400> 697
gtgttggtgct gatgcaggag acaaccgcga anatgggnan ggaatgagaa ngatacnncg 60
tangggantt gaagcnaaag atcacgctgc ctgcctacac cangaaacag ccaagacccc 120
ccttgccacga accaacattc ttccaccctc tccaactttt ttctggaacc ctttacttn 180
caacgccttc aatgtacact tcactttctn gtgctcttcc taagagagta gtgntttntt 240
nctccccacc gagaaaaaaa aataaaagca acaactgg

```

```

<210> 698
<211> 293
<212> DNA
<213> Homo sapiens

```

```

<400> 698
gtccaagatt ttgagaaccc agattcaaat aaagaaatag atatggccag gtgcatggc 60
tcacgcctgt aatcccagca ctttgggagg ccgagggcgg cgatcacga gagacaggg 120
cttgctctat tgtccaggct ggattcaacc ttgtgggctc aagtgatcct cctgcctcag 180
cctctggagt agctgggact acggatgcat accaccacat tctgctcatg ccctatgtat 240
tcttttgtat gtatgggtgt aaaaacagag ataaaaacag agatatggat gcc 293

```

```

<210> 699
<211> 475
<212> DNA
<213> Homo sapiens

```

```

<400> 699
acacagcaaa ggctgagatt tcagagactt gagggtctatt gggagctcag aacatggcat 60
caagtcccaa ggaggaaaaa ctatggatcc tggaaacctg ctgttgatc acttgggggc 120
ctgtcttaaa agtctcactt ggtgatattg gctgagtcac gtccctcccc aaaattctta 180
tgttgaagtc ctaatcccta gtacctcaga atgtgattag atttggagat agggctctta 240
gtgagataat taaggcaaaa ggaggtcata tgggtggggc ctccctacag aggagactgg 300
tatctctgta agaagaggaa tgaggacaga gacacgtaca gaccaaggga ccatcatatg 360
aggacacaga aagaagggat ccatcttcaa gtgaagaaaa gaggtctcag gagaaaccaa 420
acctgcccac atcttgatct gggactttta accttccaaa atttaaagaa aataa 475

```

```

<210> 700
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

```

```

<400> 700
gacaagattt tctctggtct tctgtttccc atttctaaaa taatgaaata acgccacttc 60

```



```

agaagttcct aacgaggaca aaatgagagg tcatacgcca agtgtatcaa gtacacagaa 120
attacctcat ttccaaaggg aagattggat gatactccac agccaatatt gacttactga 180
agatgttatc aaatcctctg cctttcctca taatgatatg agaagataaa gacgtgctcc 240
gctacagagt cttcaaagga agcagaaaaa gtataatata taattttaac ttaagaggaa 300
cactgctgga catcatgaga attccataca atgagtggtca catctatcag aaaaccaagg 360
gtatgaactc taaagaaata gaagatgggtg gtgaacaggg accacctctc tgcctgattt 420
gntttctgcc taggaggncc ttcataattg catgggtg 458

```

```

<210> 701
<211> 523
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

```

```

<400> 701
gtgcggtggc tcacacctgt aatcccagca ctttgggagg ccaaagtggg aggatcgctt 60
gagctaaaga ttttgagacc agcctaggca atatggatgt attatgggtat tctctggaaa 120
gattctgtga acaagcaaga cacctgtttc aggtcttggt aaataaccagg tctttccatt 180
tcctttaagc ctttcagaga tttangccat gtcatacatc ctgatcactt catacctgaa 240
ccccacaagg gcagcagcat cctccggtgt ctactacccg tgagaccccc tctagagaaa 300
gttccagaaa acaagatgag ttcaaagagt tcataaggga cttttggggg aagctacact 360
attattagtt aacactgaac agggagcccg gagatctaga ttcttgntgn atttgccttg 420
ntcatatgac tttggacaaa ccactcatct ttttaagnacc ctcanttcct canttatttt 480
tgganaacat tggaagtaaa ggacctttaa agtctgttta ccc 523

```

```

<210> 702
<211> 475
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

```

```

<400> 702
gcaaaacaga aattccattt tgatgattaa aaggaggaaa aattaacttc atggctcctga 60
cccacgttca acttgataag agaggagaga gcactgtgtg aaggcaagag ctggtaagct 120
cagacaacag aaagaccggg actaactcct gctcatcact tcaactacacg gccttggcca 180
tgctgctgat cttcacagca tcaggttcct catgggtgat ttgggaatag caactggacc 240
aagcctcaca gggctcctca tattatttcc actcattatt gttgaaatct tccagttttc 300
tcattatttc caatgcttca aaataaaaaga gaaatttagt aagattaaat aatggaaaaa 360
ggaagccaaa gaatatccag ttacgatgtt caaagagata agctggccct gaggcattat 420
tatctgtcct aaaagaactt cccaaagaga aaattaaagc tntccaata ccttg 475

```

```

<210> 703
<211> 527
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

```

```

<400> 703
ggcatgaact cagggagcga gcttgggaaa ttgtggagga agctgtttta agggattccc 60
aggctctcgg tgagccattt tggtttctat tgtgggactt gtgtgctgtt ggggcgcca 120
cagatccac agggctccag ccttgggaac gacatcgacc aataccccg ggttttcagg 180

```

```

aatgccagcg accagggctc ctggatgcag ctggagatgc tactgcggaa gctctctgac 240
ctgggtgtgga cttcagatgc tctaagtgat aagggtcaccc tctttggatt tggatcagaa 300
tagcaaggaa agtggtttcta tcaactggaag gaggataatc agaccaaggg ctccaaggaa 360
atactgcccc cgtctagtgc aggagcagaa atcgaagtca tccatcagct agcgtgtgga 420
caagctcact attcacacaa acttaaccta acttaagtca atccaantcc tatttttggg 480
tgggtaaagg gcaggaagga aaattgtaan ancaagctgg tactgaa 527

```

```

<210> 704
<211> 505
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

```

```

<400> 704
tatgctccaa ccagcagcgc ggaccgcaag tggagcccgg caattggaaa gttgcaaattg 60
cctggatgct acgtttttgca tcttcttttag atacccttga ctctgtacatc ctgtctgggc 120
taatgttgtt ttctgcttgc agtggtgtctg gagtctcaac aagtgcccaa gccaccctca 180
aagggtcact ccttgtttca agagcacttg tgcttgccctt gacctctctg tcgctctctg 240
attccactta ggaagctgct tagttccatt tttcaactga aaaattatcc tctgcttcag 300
gccactctgt catactgttt tgtgtagtgt tttaaagcta atttgaacta ggcaatgtct 360
tagccttaga tatagacaga taatttttcca gatcagacaa gctatagtaa agcttcaaag 420
ggaaaacttt tattcctaaa gagaatanaa aactcatctg gggtaatcat aattggattt 480
aaaaaatgac ccaagttgaa ttttt 505

```

```

<210> 705
<211> 377
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(377)
<223> n = A,T,C or G

```

```

<400> 705
acaaaggctt gctctgtcac ctagactgga ctgcagtggc acgatctcgg ctactgcaa 60
cctctgcctt ccaagttcaa gcaattctcc tgccctcagcc tcccgagtag ctgggaccac 120
agacctgcac caccacaccc agctaatttt tgtatttttg gtagaggtag ggtttcgcca 180
tgatgccagc gctggtctcg aactnctgcc tcaagtgatc cacctgcctt gacctccaa 240
agtgttagga ttacaggcgt gagccaccac acctggccta attatatctt tctattaagc 300
cttaccaat aatagtaaga agtaggatc tctttggctg ggtcactatt caataaaata 360
ttaaagtcac ccatgtg 377

```

```

<210> 706
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(533)
<223> n = A,T,C or G

```

```

<400> 706
actcctgctt aagtanaaac tgaaactnnt tttngnaacn tntnttggct ngaactnct 60
nttcangngt gtctgnaagc tggcctnatt ccactttgtg cctggaaaagg ggacacacan 120
gccctgggtc ctggactgaa agcacgaaac aggatctccc tgtgttgccc aagctggctc 180
tgaactcctg gctcaagtga acctcctgcc tcntcctccc aaagtgtgg gatgacagtg 240
tgagccaccg caccggnct ataacgaaaa agncttgatt cncttngcac attgagcctc 300

```

cccttttttg	natcttttgn	ccccaanccc	tgtagnagaga	aactgcctga	gaaaaaancg	360
gnnggnnacac	antggagaac	tggaaaaaaa	accccgaggt	gggaancaca	tctggtgccc	420
cncctccctga	catgaatgtg	accaaactctg	gttttaanat	ttttgacatn	tgaagccana	480
aantnccctt	tctactataa	ggggagtgga	aggggggattt	ccacactttg	tac	533

<210> 707  
 <211> 520  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(520)  
 <223> n = A,T,C or G

<400> 707	tcccacagcc	ctgtgaccaa	aagactggga	gtgtatgtca	ggcctctgag	accaagccaa	60
	gccatcgcac	cccccgtag	ttgcacgtat	acgcccagat	ggcctgaagt	aactgaagaa	120
	tcacaaaata	agtgaatatg	ccctgcccc	ccttaactga	tgacattcca	ccacaaaaga	180
	agtgtaaatg	gccagtcctt	gccttaactg	atgacattat	cttgtgagag	tccttttcct	240
	ggctcatcct	ggctcaaaaa	gcacccccac	tgagcatctt	gcgaccccc	ctcctgccc	300
	ccagagaaca	aacccccctt	gactgtaatt	ttcctttacc	tacccaaatc	ctataaaaacg	360
	gctccaccct	tatctccctt	cgctgactct	cttttcggac	gcagcccgcg	tgcacccagg	420
	tgaaataaac	agccatgttg	ctcacacaaa	aaaaaaaaagg	ccagnagggc	caattcaagc	480
	ttggacttaa	ccaggctgaa	ctngntcaaa	aggggggggg			520

<210> 708  
 <211> 508  
 <212> DNA  
 <213> Homo sapiens

<400> 708	gcctgactcc	cccgcagagg	agaagcaaaa	caatctctta	gaagcaaatg	aatcaattca	60
	ccatttcttg	aagctgcaga	gttctatagc	tggcttgagg	cagggtggga	agaagaact	120
	cttctcccat	tggaaaatct	aaggcataca	taaatttaat	gaagtacaaa	ctttctgtac	180
	agatggagca	taaacaaatg	gcgtcactag	atccaccagc	cattcattca	agctgtggac	240
	agagcccagc	ggccgcagca	ccggacaact	gagtgtcttg	ggaggctcag	ccctgacagc	300
	ccctgcacaa	cccaaactag	ttggcaggtc	acagaggtga	ggccaccaag	ggcttctgac	360
	ccttgtggcc	ctcccagggc	taccctcctt	gagtcacatc	ttctggtcaa	ccagcttggg	420
	agccttagtg	agtggcaggg	ttgttgctag	agagaaaagg	ctggagtctt	ctctgctcta	480
	atgacttaaa	ataaagtcca	aactcctc				508

<210> 709  
 <211> 229  
 <212> DNA  
 <213> Homo sapiens

<400> 709	ggaaaacaat	ggagcttcct	gacatgtgac	actgatgctg	tttcaactca	caagcaaaag	60
	tcttgctcct	tcttctactg	gaatatcagt	gccatgagag	ctgggatcct	tgttttgatc	120
	tctgctttgt	ccccagcacc	cagcacatg	cttgacacat	agtaggtgct	caataagttc	180
	cactgaatga	atatacacia	ccaatcctga	taataaaagt	ttgttattg		229

<210> 710  
 <211> 298  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(298)  
 <223> n = A,T,C or G

<400> 710  
gctattgtcc tccagttcct agcttaaaac tgtacgggac atttccagta tagagcctgc 60  
tgagaatgaa catgaaatca aggacatcac ctgatgatgg attatgtaga tggcgaaggt 120  
gtggtggcac ggagacctct tggtgaccaa gccggacact gagcaatctg tcagcagctt 180  
atcaaaagaa aacacaagtc caaactttgt angaaaatac ctgattaaaa tcactctttc 240  
aggggggtatc tagtacatct ggcaggccag tctggtattt aataaatcct gtcctctc 298

<210> 711

<211> 299

<212> DNA

<213> Homo sapiens

<400> 711  
acaaacaatg attcctgaag aaataataat gaaccatcac ctttgatgta atggctgcct 60  
gcactgtcga gatgggagtg tgccaagatc agagattaat gcatattaaa gaaggtgaag 120  
agaatttcac ttctggatga tgtgagcacc ctgcagtttg ctgtgtactt ttcatacact 180  
tatgtattta tctaaaacct tccatgattt ttttggtgca gtagtataca gaatctgaac 240  
tggtataagg tcaactgtaa acaattatct aatagttatt ctaaaacttt acctccaat 299

<210> 712

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (435)

<223> n = A,T,C or G

<400> 712  
gttctgtgct ctgtctttcc tctanccctc agcttaatag gttgtgacca aggcaattca 60  
aggaattgtc ccagggggagg ggaactggtg gaatgagtag ctggcaaaaag gaaagcagtt 120  
gtcatgactg gccaaagacta aaggctcagaa gactttcact ggagatatcc ctccctatgc 180  
ctggaagaaa ggaatattct tatctctgaa gacattggga aacacaataa tagctgaaaa 240  
acaggccttg ctaacttctc tccagtttat tattagatga tatattttta tccaatcata 300  
tttctccatc actaccact tctccatcag aactagcctt aaaatgcata ggtttacata 360  
tttttttagt ttcattttcca cagttccctt gtcacactaa aactatatta agtaaattta 420  
tatgtttttc tcttg 435

<210> 713

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (334)

<223> n = A,T,C or G

<400> 713  
atacctatct ntagtctatt cngatgacaa agtcaataac aggacattta agagtcacag 60  
ctctgaaaaac aacataaagc atcatgggcc gtgctagaca tttaaatgca agagccattc 120  
tcttcaaagg actatgaaga cttggaacaa aacatcacag tcattccttt gtactctgga 180  
tgccgaatgt tgcaatactg tctgcccgcg aacctttcca ttcttacagc aaatcactcg 240  
tccataaaga cagactgtag tgattctaata gcttctgtaa aatatctact tattggcact 300  
gcacacagaat aaattttaact ttatttttaa tgct 334

<210> 714

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1)...(567)  
 <223> n = A,T,C or G

```
<400> 714
gagctgggga tttcaaaacn gccccgggca tcatgcctcc ggcntaattt tcntattttt 60
ttgaagaaga gnggggtttc acnatttttg cccacggct gggctctgaa ctccnnacct 120
caagggtgatt cccngccntt ggnetctcaa aagtgtggn attacagggc ggnganccca 180
ccccccccca accaaaaacg tttttttttc ttantttacc cgccgggggg gaaaagaaag 240
atttattttt ggggnttgct ttttctcccc ttggaaggaa caagaaaagg ntcccttct 300
tttcttgatt nttnaaaagn aaaactnact tnacttggng gttttttttt ttttttgccc 360
ctcaaaaatt tgccctaccc caagttnnct ccctggcaag gntttttttt nttnttnaa 420
taaaaanaag cattggccnt tgtnttttcc ccccccttt tgattttttc cngnccccct 480
ncttngnccc ttaaannccn ttcaaggggg gtggnngttn ccctttttaa cgggggaacc 540
cccgantttc caaatcttct tttttgt 567
```

<210> 715  
 <211> 652  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(652)  
 <223> n = A,T,C or G

```
<400> 715
cacttctcct tcttgcctt gtatgaagaa ggatgtgttt gcttcccctt gtgccatgat 60
tgtaaatctc ctgaggcctc ctcagccctg cagaactggc tagagcaatg tatcttaggc 120
tcacttaagg aagctgtaga gatgagccca aggagggaaa ccagaagagc cccccaggct 180
caccagttgt ttgttggtc cctacaaaca tgtcattcaa gtggctaata ttacaacagc 240
acaaactcat ctaaccagag atactctatt atagcaaga agaaagataa tttcattgag 300
ccatcctgtt ttacaggatt ttccctcctg gtgagtcaaa atgaacaaga agtaccaccag 360
gacctccctt ccctccttgg cattaatgag atgaaggcaa ttaactcaca tagtataaat 420
gaatcatttg aggtgatgac tgcattttag gcaaagtatg actttcttgg tccattggtt 480
tgcaagtaaa agttacacac attgaaaaga cactgaaaca gatttcctaa atgcttcatt 540
ttctggatgc accaatgggtg acctactata catggtaaat ggnttttaaaa tatcacctta 600
aaaataaaan gaaacttnca gctactaact cagctcttga tgggctatga aa 652
```

<210> 716  
 <211> 485  
 <212> DNA  
 <213> Homo sapiens

```
<400> 716
gagctgattc ttcttaaaat gcattgccac gttatctcta acgttggctt tctgacttcc 60
ccgcggggct cggaggaagt aaccagttt cttaaggaaa aatgagagat aaacatcaca 120
acagaattct aatgacactg caacaaaatc aggccaaaat gaacgaaaga aagaaaagaa 180
aagagaagag aaggaaaagga aaagaaagaa aagccttttg tgcttgctca ctacaaaatg 240
aacaaattgc aagtggaaag gaaaatgttt ctttttttga gtcccttcat acctagtga 300
atttggaaaa cttaggaatc cttcaataac aaacactttg ccaagtgcaa ggacttgga 360
tttcttctct actgaatcta ctgaaccatg ggtcttaatt aggtgaaaca gcatcaccta 420
cagtgggatt tggttgggac cccaagtca ataatttgat tgaataaagc tctttggaat 480
tttcc 485
```

<210> 717  
 <211> 667  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(667)

<223> n = A,T,C or G

<400> 717

```
gatgggttagc tgggcaatca actactcaga agacgatgac atttcccagt cccctcatag 60
ttgagctgca ggaaatggaa gcagttgaat gtgaatataa atacggatgt ccttagagaa 120
ctggtgtcat aaattacatg atcaggaaaa gagcaaaaaca atacaaaaga tcataatctc 180
aaaaatctcc tattgccatc gcagaaaaaca gatccatcag acaacacgca tcccatcctc 240
tgattcaaaag aagtgatgct cgtttgattt aacgctcctc catgcataga agggctcagc 300
accacctaata ggtgctatat taaggatcat ccaaaccagg tcaaccttct gagaggttcc 360
cagtccctgga gacaggtcaa aagtgaagct cagactgggc tggcacttat acagccatta 420
ggaagagatg agcagaaaaag ctctaagatt ccacagccca gactggctat ggatattaac 480
gacctgcctc caaccatcca tacctgttct tttgntaatc tggttttacc accatgcaag 540
agagacaacc aaactcatat agtcaaaact gagtcataag accctctncc aattttttat 600
tttttgggtc tacttataat tcttactttt atactttctaa aacaattcta ttccctggta 660
aaagact 667
```

<210> 718

<211> 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(679)

<223> n = A,T,C or G

<400> 718

```
ttctggaggc tggagagtcc aaggctcgagg ggctgcac tggcgagggc cttattgctg 60
aatcatccca cggcaggagg tggaagagca agagagagcg agggcatgcg catgtgaaca 120
agagaaagag actgaatttg cagcctgaag cccttctatg attggcatta atccattcac 180
aaaggcagag ccctcatgac ctaaacacct ctactaggt cccacctctc aacagagttg 240
cattggggat taaattccca acacacgctt tttaggtagc attttcaaac catcgacct 300
tctagtgcc cataggccag gcaactgttc tggggacttc tgggaattaa cacagtaatc 360
ctcacacca gcccatgaag taggtgttat tgttaccacc tccatgtcag aggttgagaa 420
acggaggtgc agagaggtta gttagcatgg tgtctggcac tggcatctat ctcttactac 480
tacacctaat tgctcaaaaa ttttgaangc ttccanggca agcgacatca caaatgccag 540
cataatagca agtagattct ttcaaagaca tgaacatata ggaaaatata agntttactc 600
aattttctca catttttcaa actgggggtc ttggatttgg gtttggggta aaaattaaaa 660
gganggggtct attgccaaag 679
```

<210> 719

<211> 592

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(592)

<223> n = A,T,C or G

<400> 719

```
atggatagct ctctgaaagc gggaagcatg ccttgttcag ggagaagaga tcttgctgac 60
ccaccccttc tctttctttc tgacctgaat gtggatatgt ggtttgcttc tgtggctgca 120
atcagggtgac atgaggcacc aaccattgga ccaagaagac aacagccaaa gacagaagag 180
cagaaaaata aaaggaaaag gcctgtgttt tgataacatc aatgagcagc agtaccagt 240
ccaatagtca cctgtctcca gccttcttgt gaatgagata ctacagggtc gtattgcttg 300
agccatttct aactccagaa tatatttaag agtttcatac tgaagttgaa ccacacatct 360
ttctttgaac ttcctaacag gcaaaacaac tgcataaaag agatactcaa ttaagttatt 420
atttgcattg nctttgagga gaaaattgat agttcttcaa gagaggcact ggttcttggt 480
aaacttaatt ctttaaaaaa tggcttgggt ggggcatcat aaaaagacac tgagntatgg 540
gggnaactgn atttaaatca tatcccaaaa ntaaatgcc aatagtttc at 592
```

<210> 720

<211> 316  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(316)  
 <223> n = A,T,C or G

<400> 720  
 tttttccggc aagngacttg anaagtngcn nccngaaagg gnggcggtgg cttgcccana 60  
 cncgggtgggg aagagccttg aggggtgcttg cccgcccagg tgacangacc cgaagattgt 120  
 acnanancac tctaattgcn cnaaaatagg cactatccac caaacttcct ggccttgaga 180  
 atngttttacc aanaacttca aagatccctc ttgccacat cttgaaaaan gcccccttc 240  
 cctataaaaa aatcanggac ccccttgctt aaagnnaaac aantgcccc cttgtnaaat 300  
 aaaattgttg gaaaaa 316

<210> 721  
 <211> 184  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(184)  
 <223> n = A,T,C or G

<400> 721  
 gcaccgngan cntcactcat tnncgannnc tgcattgttg ttggctgatg tcatagactg 60  
 ttccctctatg atcacaagaa ttccctattt agaactgcat atgggtgccc gttgggtaac 120  
 ngtttcaagt tgaaagaatt ttgcattttg tgttattgta ctagaatgaa ataactctaa 180  
 tccg 184

<210> 722  
 <211> 592  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(592)  
 <223> n = A,T,C or G

<400> 722  
 gactctgggg agctcctgca ttaagtcagn aactgnncat taccagancc nagegagctt 60  
 ntgacaatcg cncnntagcc cttcggtgc aatcattctt tccgtcagag tcatcatgag 120  
 ctgacgggct ttggagctgg aacacttaaa ctgggtccaca agaaagtgct ggatgtttgc 180  
 catctgtttc cagaaaagctt ccatctgtga aatgagcaca agcagcaaga agtgagggtga 240  
 aaaacttact taagaaagcc aaacgggtgcg tgcttgggaa ttacaattca ctccttatca 300  
 caaacaaga ttctaaacaa ttctacagtt tcagtgaagt tatcttggca acaatcaccg 360  
 ttctacagtg aagttctttc tggttccatt gnctgggtcc agtgtcaagt cagttttgca 420  
 atgggtgtttc agcagacacg agagcactgc tgctaaggaa agaaagcagt agcttgtcca 480  
 gcctacagac tcttgacacg gtcattacag ctacctangg gctgatgaaa tgtgacaatg 540  
 ggctcatgga agctttggca attttaaatg ggattaaata ctttcctgaa gt 592

<210> 723  
 <211> 167  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(167)

<223> n = A,T,C or G

<400> 723

```
tctgggggagc tcctgcatta agtcnactgn natcctaaac gaaggcagac atcaacattt 60
ctggattcag ggtccagagt gctcaccatt acaccatgga acctcaaacc agacatcaac 120
gtctcctaag agtcttttctt tattccaata aaagaaaatg gtcagtg 167
```

<210> 724

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (477)

<223> n = A,T,C or G

<400> 724

```
gaacaagctg acattttata aaggaagcac agttgactct tggacaacac ggatttgaac 60
tgcacggggtc cacttacaca tggattttct tccgcctctg acagcaagac aaactcctcc 120
ttttccgcct ccttcacctc agcctattca atggtaagat gatgaggatg aagaccttta 180
tgataaagaa tagagcaact ggacatcagc aaaaaagtga atcttcacca aaaactccca 240
ccttatacaa aaaattaact caaactggac cacagactta atgtaaaaca taagactata 300
aaactttcag ataaaaacag aagaaaagtt ttcaggacct agagctacaa aactagtctt 360
tagaattgat gccnaaagcn ccacccccca agaaaaatta attgggnctt tttcaaagtt 420
aaaanccttt gntcaccaaa agaccctntt angcagatga aaagagtagc tgcagac 477
```

<210> 725

<211> 188

<212> DNA

<213> Homo sapiens

<400> 725

```
gaaatctgga ccatctgctg gggagaaatc tgtttctttg caggataaaa tgctccctac 60
aaatgtaaaa gcttttatac cccaggactg ttattcaaag cacttttaag ctgagcttct 120
tacagcgccg tctgaaaaaa taaaaaaca cagctatgtc ttgcaagtaa aatcaatggt 180
ttcctcac 188
```

<210> 726

<211> 682

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (682)

<223> n = A,T,C or G

<400> 726

```
aagggtctgc agagtctgca ggtggcgcg c acattcgctca tgatgctgaa gagatgagca 60
gagtgccttag tctggggccc agcgactca tctggaagca tgtcagcgga gccgcgggac 120
agctgccacg gacggcagtg gccccggatt catgtccga gtctgaagag agctcctccc 180
tggccttttg gtttttgggg cctcctagt g tctccccac acttcgggtt aggtctctgt 240
cttgagcat cagcgactcc cacttcttt ctggcagggc tgtggctgca gacagcatct 300
ccagctagtt cacaggtggc cgccctaggc cacgggcttt ccctggggat gaaggacctt 360
caaattgaaa atggccactt tcataggact gtttcagggt acagggtcac cccttctgt 420
ccctacctta gactcccaac cccatcgctg cacttggcct ggcctcctct ggaaggaagc 480
tcagatttgg agcctctgca gggcagggag cctgttgga ccagcccang gccagccggc 540
tcattcctgg aattcctacc tcctctcact gccctgggtt tggcaccang tgctgagtgg 600
gcctcangcc aactgtgggc atgggctcga tgccgctgct ttcttcttca catcaaggna 660
ttcagccgna ttctacccca aa 682
```

<210> 727



<211> 663  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(663)  
 <223> n = A,T,C or G

<400> 727  
 tgattggctc tttactggaa atatgcagaa gtgactccct cccagaaaca gccttgactg 60  
 gtgtcattcc agcctcactt caagggcaga gacctgggtg tcagtgagat catcacagcc 120  
 acagaggacc aagggcccca agagagtcaa catgcaatgt cagcaatgca gtgccttaaa 180  
 gaacatctgt ctacccatga ctaccacagt ggagaatgag gaaattgaga cccatagagg 240  
 aaaagtgaac tagtcaatat caacccccaa gttagagacc aagggtaatg gagaaacttt 300  
 gatgagagta tgggctgctg gtaactaact tgtggactca agggcctcac accctcaagg 360  
 tcggacaact tccccaaaat gtcacattct gagacagggt aaccaagggc ttgggcctct 420  
 gctgctgttt cctcttcctt tcaaaggcaa gcaccatgga taggcctgct ctgcagctcc 480  
 aacccctggg gtccccaggg tcatgctcag tgcaattctt ctttctggct ggacacttgg 540  
 agcttgatgt tccccagagt tctggtcang ctcttnccat ctctttgcct gaaaagaaac 600  
 tcaaggcctt nccaagtggg agccatcacc actggatggg cagcacccaa atctcacccc 660  
 cga 663

<210> 728  
 <211> 580  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(580)  
 <223> n = A,T,C or G

<400> 728  
 gnatcntccn cttnggcntc cnaannnttn gggatccnc cngtcctntt cagactgtta 60  
 caactgaaga aagggccctc ggagatcatc cagcccatcc ccctcatttc acagcgaaga 120  
 tgtgagctgg aagcttcaca gaaacacaca gctcccaggc ttcagtaagt aatcatgtag 180  
 tgggttggtt tttttctgtc cctgagaagc tgggagtagg tccttggtat cattacagat 240  
 caagagacaa aatggaacag taattatgat tctgaaattg ctcataatta gatccacagc 300  
 caggcagttc cactcagatt aatgagactg agttttctgat tcccagtggc ccataggtca 360  
 gtgaagggtc aagaggtgct aattagatca atgagttttt ttagttattc atttgataaa 420  
 gcattgcatg gcactgtgtg caaagctctg agctaggtac tgtggctgat aaaggattac 480  
 tatatagtat gaatctgtgt ttaagaaaaa gaacccccca gaacctgatt gcctggggat 540  
 agaatccnat ctttgntcaa gttgaatgat gaagaataag 580

<210> 729  
 <211> 278  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(278)  
 <223> n = A,T,C or G

<400> 729  
 gggagctcct gcttagtcag actgaggccc tgccttcgat ggatcaagct ggcaccccca 60  
 gatcaataaa ctggctcatc tgggtctgng gcctccatcc aagtaccaac tcagtgaag 120  
 aagacagctt cgaccccgta tgatttaatc tccaacctga ccaatcagca cttctactcc 180  
 ctggccccct acccaccaaa taatcctcaa aaaaaccag tctccaaatt ttcaggaaag 240  
 actgatttga gtaataataa aactctggtc tcccgttc 278

<210> 730

<211> 700  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

```
<400> 730
ttaagtact ctggggnnct ancctgcctt tnngncatca atttnttttt ttttngaaat 60
gggaggacct ttttcaacga cncctggttg ntttgtggcg tttcctttgt gggaaccngn 120
ngntcttttt ngttngtgag aaanttcngn gattccttg aattttcnc tacttttnc 180
ttgcntgggt natnccttta ttgggtngcc gggctgggan ttttttttg tttttaatnc 240
nattgtgggt gtcttcnaaa ngaaaaccnc ttttagaagg gcaaaaaaag gcccaaaaaa 300
gccnattatt ncctgggntt tcttcctttc cnnngaaaaa ggggaaaaaa aggaccccc 360
caagccangg ggccaaagg gggaccnana aaaccccgct caaaggccca nccaaaaaaa 420
ccttnggcca aaggcccacc caangggccc nagnnnanaa gggggaaaaa gaaaaanttg 480
gaccttttgn aagggaagg cttnccttg ttgtnttgg aaaaccgggc angttggtat 540
tttttaccaa ccaaattatt gttttccac ctcttcttcc cctttgnctt tctttttttt 600
gggaaatggg gggtttttct tttttccat tttttcatt taccaccct ttttggcntt 660
tgggnaaaaa gaaattgggg atttaaattg ggattttctt 700
```

<210> 731  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

```
<400> 731
ggtcttactc tgtcaccag gttggagtgc aatagtgcaa tcttggctta ctgcagcctt 60
gaactcccgg ctcaagcaat cctcccacct ctggctactg agtagttggg attgcaggctc 120
aagccaaaaa gtgatcggcc attcttttac cgggttccag ccaactctgt ccgctaacct 180
ctatgcaga ggagatggga aaataattga gctgctacct aggaaggcac aaacatttcc 240
tgtggtgagg acttaggaag cagtgccagg aatcgggcca tcggaaggcc taagcacact 300
gggcacaggt tttctgcccc tagcaaggga ctgacaataa agtcaagtga agc 353
```

<210> 732  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(266)  
 <223> n = A,T,C or G

```
<400> 732
gttagtgacn tcattataca ctcgagccag aaatctctcc aactttttca tgctactcat 60
tcaagcaacc agacatcagg ttccactact atcttcttca gaaaagctat ccagatcaaa 120
gcagaagccc aactctcttc tgctgcgttt caacagggac tgcttacgtc cagatcatcc 180
cagaggattc ctgtgttagc tctattagtt ctaccttcc tggagaactgc tacatagcta 240
ccattcaata aaataaatct cagcgt 266
```

<210> 733  
 <211> 679  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(679)  
 <223> n = A,T,C or G

```

<400> 733
cacacagctt cctgagcaac tttccacctc cccattcatg cctaacttga aaagtgtgtg 60
ctgaatgtgg atggacagtc attctagggc agaagccatg gaaatccaag gactggactg 120
aagaagatct agatgccgca tctctaggct atccgtctag gctatccggc tgagacaagg 180
ccttctgcag cccagctcac atatggtata tttcagccag cgagagctca actaactgca 240
gaacatccag cactgcatgt catatcgtgt caccacttg ctgagggcaa gccagcatg 300
gtttggtctg aagctgactt gaagagctga gaggttcaaga cttgtcactg ggtcccaaaa 360
aggccctgtg agcctggagg cagagcccag tcctgtctca accaccaggc tcaggactgg 420
gggctttccc gaggatagag tnacaccgc gcgcgcacac acacacacac acacacacac 480
acacacattc attctgtttg atggnggagc tcctttctta tggagagaca cttttcaata 540
aaaagaacat atagggtgct tnttctgcaa gctgcaactg cctttcgcta ccccaaaacc 600
tcttctattc agggagtccc tntntggnt gggagcacca aactgtgtct taanaactcc 660
ctggcattac tttttccaa 679

```

```

<210> 734
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<400> 734
agtctcgctt tgtcacctat gctggagcgc aatggcatga tcttggctcg ctgcaacctc 60
cgcttcccag gttcaagtga ttctcctgcc tcagcctcca gaagaggtgg gattagaggc 120
atgcaccacc acacttggct gatttttgta ttcaccatct ctaccaggcc aggctggtct 180
tgaactcccg acctcagggtg atccacccac ctcagcctcc caaaatgctg ggattaaagg 240
cgtgagccac catgccccagc tgctcaacat ttcaaacaga agtttaatta tgaaaagaga 300
attaatatggc aatttttacc agtaagacat aagcctaaca tcattgactg agagaagtaa 360
atgctgtcaa aagat 375

```

```

<210> 735
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (232)
<223> n = A,T,C or G

```

```

<400> 735
tcctggcctc cttcagngag atgttgagta ggtttagcca gaatccactc ctacccttga 60
tgtttccttt cactgaccgt cccgccacga ccactcctgg gctgtaaatc ctcacttgct 120
cttgctgtat ttggaatgga gtccagttct aagggttcaag agttctaaga gtccctgagg 180
ctcatttctc ctattgaaat agttcctgag taaaatctgc ttttatggct ct 232

```

```

<210> 736
<211> 571
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (571)
<223> n = A,T,C or G

```

```

<400> 736
actgagccaa agccaaaatg aacatgtgcc ttgtactaag aaatcccagg attgtcacia 60
cttgtgccag ctggtgaggt tgtgacacct gtgccagcat cgccggctct gccactgtc 120
atctgttcca actgttccat ctgcactggt tgtaccaatt ctcccatttc tgcacttgca 180
ccttctgcag aaacgtttcc aacaatgccg gctgtgtcat tggtgccaaa tatgccagat 240
gttctatattg tccaccctgg gccaaatcaa tgcagttttg tgctcattag ttttagctgg 300
tagattctat tttacaattt tttgatttgn attttgattg aatccaggca aaatccccct 360
ttcaaagatt ttgtgtctat ctatccatct ctttgcaacc ccaactttat atctgacaac 420
atgaagttag tcaatgttat tcccgatctt attaaaccan cccaatatta agtgnnggta 480

```

ggggcatttc ctacccgtgt nagactatat atcgcaaaaa ccatgcaaca tagggataag 540  
 ttggcaaaaag tnannttaaaa aagaatacac t 571

<210> 737  
 <211> 468  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(468)  
 <223> n = A,T,C or G

<400> 737  
 tgggctccta cctcnagctc ctgtgatctg gtgggtggggg gccacccacc ctcttgcttc 60  
 agtgatcaag aactgaccaa gcttgctcat cccaagcccc cagccacaag caatagggga 120  
 tcccggtaaa ggtttgccga cctaagctgg tngtgatgaa gccatcaaga tgatccctct 180  
 ttctgtttgg aggggtgctaa atccggcagg ggccattgaa gcctgggatt tactaagcaa 240  
 gaagccttgc cttgaaaagat gccaccaagc acaagaagat gggccaaaac canaggagcc 300  
 taagaagaag acangaatct caagttgatg atatcttgaa gccatccaag aattccagcc 360  
 caccatcttg aaagttttaa aagtcttgct caaggggactc ttgaggggtac aagggaaggg 420  
 taatacattt ttgtatcaag ggaaattgga aagtgggggc ttctttttt 468

<210> 738  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

<400> 738  
 acccaggtga ccgctcacct ccccttcctc ctggagcctt gaagtcggag gccctgagcc 60  
 atggacggta tctgaggatc ggtttagcgt atctggccgg agaaattggc aacatttgct 120  
 acgaataaaa cccaagcgtt tccagc 146

<210> 739  
 <211> 693  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(693)  
 <223> n = A,T,C or G

<400> 739  
 tttctcacag gacaacacct gtcattgtgt aacaactgtg tgaagaatga caaaaagaca 60  
 ataggacaag ctcatcttct gagctttagt ccgcagaatt gggccagggtg cttttaatcc 120  
 tcacagctgc tctgcaagcc tttgccctgc ttactagact gaaaatcatg ataaagctga 180  
 gactttccct gactcacctt tgaatcctct atgaatctgc cgagctaaga agaccacctg 240  
 acacttagtg gatactaatt caacagtgtg ctgacccagt atgcaaagga ccatgggcaa 300  
 tactctgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgngc cctctcttgc acactttgca 360  
 aagcttgaaa anggaagtan gcantgacca ttttatatat tgganaccag cgtatatggg 420  
 aaantgangc attaagaaga aatataacnt gctttaaact acacatcaac tgnantggca 480  
 naactcggag ntagatggat gagattntgc cccacaaga cttacaaggt gtntgngaag 540  
 gngttntctg aagaaantan catttnaann canctgnngg gagnaanaaa aaaccctnt 600  
 gncatngnag nnggggcntn atccancccg gngngggggc aaannnaaca aacanngggc 660  
 nnnnggaaaa gcnanntttt tttttaaaagt ttg 693

<210> 740  
 <211> 181  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1) ... (181)  
 <223> n = A,T,C or G

<400> 740  
 tgggggagctc ctgcattaag tcagaactng aggtggaggn ccnncattc ntccanagga 60  
 tgcngcanca agacaccntn ttggaagcag agcagccctc accagacacc aaatcggcca 120  
 gccattgat cttagacttc ccagcctcca gaactatgaa aaataaattt cttttgttta 180  
 t 181

<210> 741  
 <211> 689  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (689)  
 <223> n = A,T,C or G

<400> 741  
 aaatatggaa ttcaaaaaggt cattaagaan aaaagaaatt ctcaagttcc ttctgaattt 60  
 ctaataacac gggaaatgag gcttcagtgc tcaacatgcc aacatgcttg gaaattcttc 120  
 aataccatga cctctaaaag cccagctaata ttagtgaaaa gagaaaacaag ggtcctgcat 180  
 accaatgaaa ctgctgacat cagctgatct gaatgaccca acaaaaagct tacatacaca 240  
 aagaatgcag ttttcacatc ctaatcattt cattctcctt accctgacca atcaatgatc 300  
 ccaatttgcc agtcccatac cctccacaat tttcttaaaa accccagatc agtatattcc 360  
 ttggggagat ggatttttgt gttttctgcc atctccttgc ttggctgtcc tgtgatcttt 420  
 aaacactttt tctgctgcaa ccctgctgtc tcagtgtacg gatatgttac tgtgcagagg 480  
 gcatatgaag ctgttggcct ataattattat gatggcatta gtggccttat aagaattaag 540  
 aagagaagcc nggcacattc gcacgcacct gtagtcccag ctactcanga ngctgaggca 600  
 ggaggattgc ttgancccca ggagttaaag gctgcagnng gctttganca tttntttgan 660  
 nanccactgn actcttacct gaacaacca 689

<210> 742  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (401)  
 <223> n = A,T,C or G

<400> 742  
 ctggggagct cctgcattaa gtccacctgn ttgagtacaa ngntgnggnc aactttttact 60  
 gttcttacca ttgaaaaaga agtgctgagg ccaggcatgg tggctcacac ctgtaatccc 120  
 agcacttttg gatgccgagg cagctggatc acttgtgggc aagagttcaa gaccagattg 180  
 ggcgacatgg tgaaaccccg tctctactac aaatacgaaa attagccatt gtggtggcac 240  
 acgcctgtaa tcccagctac tcaggaggct gatgtgggag aactgaaccc tggaggtgga 300  
 gattgcagtg agccaagatg gcgctactgt gctccagcct gggcaacaaa gcaacactat 360  
 gtttttaata aataaataag tgctgagatc tcagaaaata c 401

<210> 743  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (446)  
 <223> n = A,T,C or G

```

<400> 743
gtgtcaggcc tctgagccca agctaagcca tcatatcccc tgtgatctgc acctacacat 60
ccagatggcc tgaagtaagt gaagatccac aaaagaagtg aaaatagcct taactgatgg 120
cattccacca ttgtgatttg tttctgcctc accctaactg atcaatgtac tttgaaatct 180
cccacaccct taagaagggt ctttgtaatt ctccccaccc ctgagaatgt actttgtgag 240
atccaccctc tgcccgcaaa acattgctct taactccacc gcctatccca aaacctatag 300
gagctaataga taatccacca ccttttgctg actccttttt cggactcagc ccgcctgcac 360
ccgggtgaaa taaacaacct tgctgntcac accaannnnn nnnannnnnn nnnnnnnnnn 420
nngggggggg gggggggggg cctttt 446

```

```

<210> 744
<211> 500
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (500)
<223> n = A,T,C or G

```

```

<400> 744
gtgatcatat gaatgaattt aatgttttaa aatcacctga caactacttg caggggggtaa 60
agtggaaagt gggcaaggcc aagggtcatgc tacagaatgt gactgagcaa caggggggatc 120
acttcagctg ggatgggaaa ggaaagcctc caggaggagt tgacatcgaa tcacagttga 180
atcctaanaa gtcagtcttg caaagatcta ggaaagaaac agctaagttt ctaagggtgcc 240
cagatttcatt attgctcaaa cacacatgct ctacaaacaa tttatacaga caacggcaat 300
catcaccagg atcctggaga cgagatacat cctcagctta ngaaagaaga cggggattaa 360
agaagattaa aaggaccng gnccttcgga aaaacttttn aaaagtcctn nntttggnag 420
gnaanagnna aataaaaangg tcccatggna aatcttttcc caaatitant tntttcaaaa 480
gactngcagg taaaagaaca 500

```

```

<210> 745
<211> 495
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (495)
<223> n = A,T,C or G

```

```

<400> 745
gtgctgtggc tcacacctgt aatcctagca caccagccga ggcaggagga tcacttgagg 60
tcaggagttc gagaccagcc tggccaacat ggtgaaaccc catctctacc aaaaatacaa 120
gaattggccc agcgtagtgg ccacgcctg taagtccaac tactcaggag gctgaggcgg 180
gagaatagct tgaacctggg agacaaaggc tacagtgagc tgagattgtg ccactgtact 240
ccagcatggg cgacagagtg agaccctgtc ccaaaaaaca aaacaaaaca aaacaaaaca 300
agacttattt caatggactt gtcccctctg tgtcatcatt caatcatctc tgtaagttaa 360
aatcctgnng gnggggacaa cccnaaaagg gggggaangg ttttaatttt tnnccctttg 420
aaagtancaa aaaggggaca cctgncantg ggggaaggat ttcaaaaaag ttccccatgc 480
ccttcatgaa gtttt 495

```

```

<210> 746
<211> 469
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (469)
<223> n = A,T,C or G

```

```

<400> 746

```

```

gctcttcccc agtctggagt acagtagggg gttcttggct cactgaaacc tctacctcct 60
gggtttaagc aattctcctg cctcagccac atggagtatt gctctgtggc ccaggctgga 120
gtacaatggc gcgatcttgg ttcacagtaa cttccgcctc ctgggttcaa gtgattcccc 180
tgcctcagct tcccaattct ggaggctgga agtccacgat caagggtgcca gcatggtcag 240
tttcttgtcc tggctcatag gccgccccca tcttgccatc ttcacaaaga agagggtgac 300
tcacgtgacc tctcctttgt gcacaagagg agagagtgag caagtgaact cttgggtgact 360
cccctacaag gacactaacc ctattnttgg aggggcccc ccctgggaac tnnnttnaac 420
ntaaatacct natttaaac tggctccaaa aacagcccat tggactttg 469

```

<210> 747

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(469)

<223> n = A,T,C or G

<400> 747

```

aagcgcctaa gaaatgcctg tgacgttcgt gaactatgtg attgtgaatt ccaaatttga 60
tgccaacttt atgtgtaaaag aagctaactc ctgccaacat cgtgggtgaa tgaacagctg 120
ggactatgct taaccattc ccagcttata aaagcccat ggcagctgca gtgaagcatc 180
agattatgtg atgcaacaaa attcaaatat gaaaaccatc ttggaggccg ggcgcggtg 240
ctcatgcctt taatcccagc actttgggag gccgaggcac ggtgcctcac acctgtaatc 300
ccagcacttt aggaggctga ggcgggcgga tcacctgagg tcgagagttc gagaccagcc 360
tggccaacat gaanaaac tcattttttt ttaaatacca aaaatttncc cgccttgggg 420
nncatgcctt gtattccac ntntcggaa ggctgaggca ggaaaattg 469

```

<210> 748

<211> 79

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(79)

<223> n = A,T,C or G

<400> 748

```

acaggaatt ttcnttgtgt acgnatcata ggtgactata ttacctgtcc aaantgaata 60
aaacanaatt taaaaagcg 79

```

<210> 749

<211> 251

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(251)

<223> n = A,T,C or G

<400> 749

```

tcccccaacc ttggaaatng ccaaccggcn ccaancaatt ggntttanct tgcaaccctc 60
caaatttcct ggggcttcaa aaanacctt tttttaaac ttccccaanc aagctggggg 120
aactacaagg cgggggccnc cactttgaaa cctcgggctt aatantggga aggtaattta 180
ctaaagtatc ttgnaaaaaat ccttaatcca atattaaggg gaaaaataaa aggggttttt 240
taaaatgggt t 251

```

<210> 750

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (487)

<223> n = A,T,C or G

<400> 750

```
gaggaaagaa ggcggaagca cgaacggctt aattaggaag nccnncnctt anttggacct 60
ccccactgga aacacccacn ttgaacaact attcacacaa agaagcacct tngtaagaac 120
caaaaatcag gngccagaca gaaagnnatn tntntgctna actganacaa atgcacnatt 180
cattgagcca gactaaggca taagngacta ttcctctatg ttccccaaca tgtaaattgt 240
ggattcaggg aaaggctgat tgaagagtca ttaagaatgt agcatttttg ngttttat 300
cctggaacca caccttatct anctggaact gtccctccc cgcccncca attctgncnt 360
gttttgagag ntctgcctt tctggaccaa attnatnggc cttttmnacc canggggggg 420
gngggggaaa atttccctaa aagggggaaa agggagcggg nccctgccnn cttgagcaca 480
tgttgcc                                         487
```

<210> 751

<211> 148

<212> DNA

<213> Homo sapiens

<400> 751

```
gtgaggacac agcaatcctc cagaggatgc agcaacaaga caccatcttg gaagcagagc 60
agccctcacc agacacacaa tcggccagcc cattgatctt agacttccca gcctccagaa 120
ctatgaaaaa taaatttctt ttgtttat                                         148
```

<210> 752

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (455)

<223> n = A,T,C or G

<400> 752

```
cttcagagg ctgcctgcat cacttgcctt ggggcccctt cctccatctt caacaggagg 60
ttgagttcct catcacataa catcactcgg accttgctt ctgcctcgct cttccacttc 120
taaaagcccc agtgattaca ctggactcat ccaaataacc caggatcatc atctcctctc 180
caggatcttg ttctgcggcc caggctggag tgcagtggct tgtggaaaac tgaactcatc 240
tttataattc cttttttatt gagacttacc tagaataatt aacatttgaa ttttaattaaa 300
aacagttctt ttgtcaaaact taaccaatt ctccaatact tttgtaggtc accttcttta 360
ataacaatca gaggaagaat tttctgactc tttaaaaaaa aganctaaaa aaanaanctt 420
tatngccanc acataangcn ttttttttcg ggccc                                         455
```

<210> 753

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (433)

<223> n = A,T,C or G

<400> 753

```
atggttgcttg tattagtcca ttttcacact gctgatgaag gcatacccgga gactgggaag 60
aaaaggagggt ttaatggact tacagttcca cgtggctggg gaggcctcac aatcatatca 120
gaaggtcaca gctgatgcaa gaggcaggct cccacagcct tgagcagctc tgccctgtg 180
gctttgcagg gtatagctcc attcctgact gctttcgtgg gctggtgttg catgtctgtg 240
```



gcttttccag	gcacacagtg	caagttgttg	gaagatctac	cattctagcg	tctggaggat	300
ggtggccctc	ttctcacagc	tccaaattat	atgctggata	tacaagagac	tcatgaccca	360
aactgggaca	acaggaatgg	ctttctggga	naaaaanaaat	ttgggncccc	aaccngaaa	420
aaaaaaaaacc	cgg					433

<210> 754  
 <211> 74  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (74)  
 <223> n = A,T,C or G

<400> 754	
atacctcaaa	aggagattgn tttaatgtct aacaacacag aaggaaataa aagtgcctgt 60
gattaaagtg	cttt 74

<210> 755  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<400> 755	
atgcatttgt	cattgaagaa aaacatctta caaaggaagt ttaaaagaga acccagatga 60
atatttcttc	agatgaacca caaataagtt ctgatttcaa catgttctac aactccccag 120
agctgagaag	ctaaagacgg ttctacaata tcatattcca aaggcatcac agggtttagc 180
tgctaatagca	ataaagtggg ttttgtcttg gaagcacgca acatcatgaa taacattgtc 240
atctggaaac	aatgagccaa taggcaccat tttgtgttgt aaccgagcag gcttgcttga 300
ttgtggatgc	agatatgccc accctacgta agttgacatt ttgtacagac tagaagaaat 360
gtgtggtatg	agatcaataa agaagtaact 390

<210> 756  
 <211> 149  
 <212> DNA  
 <213> Homo sapiens

<400> 756	
gtgaggacac	aagcaatcct ccagaggatg cagcaacaag acaccatctt ggaagcagag 60
cagccctcac	cagacaccaa atcgccagc ccattgatct tagacttccc agcctccaga 120
actatgaaaa	ataaatttct ttcgtttat 149

<210> 757  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (447)  
 <223> n = A,T,C or G

<400> 757	
aaccgaggaa	ctgacacaat gtccataata agaaaaagaa ggaaaagtaa gaatttcaaa 60
taatccacaa	actgaaaaaa tgagattgaa tgaattcctc tttcaaaggc aaagaaaagt 120
taaacagtgg	cttctacaag aaagggtgaac tccttataaa tgaaaaaatg acctttgctg 180
catttgaggt	gttgtctgtc aacattatcc gtcccttttg agggtagtgt catctgataa 240
catttttgag	tcatgggaaa tttccggaaa cagaacagca cacagaaagg actgacctat 300
ttctcttaga	gtaacatcct cgtggctcat ccacgagaaa ggaccttgaa accttgaagt 360
attctgtggn	atcctgtgng tacacagntc tttttttaaa anaactttaa nacctttacc 420
ttngngggct	tgnctttaaa gggaaaa 447

<210> 758  
 <211> 472  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (472)  
 <223> n = A,T,C or G

```
<400> 758
atacttctctc ttatctcttta tcttcccacc tgagccacca gttcatagag ggtatgaatg 60
tctgactgcc tccaggcata cagccagaac tcactgtgtc tggacgggcc tcatactaca 120
gcctccaccc cttccaacct cctctgcgac agactgtggc tatgttcttc ctgctgaaca 180
ccacctctgc cctgatggct cctgcaactt ggacaaagtg acaagggtgaa gttcaggagg 240
ctctgtgttg ctgaagaatt ggccttgagg ttatttcatg cctgaatgac cagtgggtta 300
ctaccagaat catctggctt cctgcaagga agatttgagg cttgggtatct gttcccctct 360
cagactcagc agacacctaa ccaccgctga aagtcactga aatcggatnt ttnccttcnc 420
aaaaanggnn tcttnanntt tggattcncc aaaggacagc agggaaaagg gg 472
```

<210> 759  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (423)  
 <223> n = A,T,C or G

```
<400> 759
ggatacacca ggcagaatgg agaaactgag acatcctggc aaatttgatg aggtccccaa 60
ggtctctaata ttggaatacg tcctctagca acgacctgag gcttaacatc tgctgattct 120
gtgctactgt aagatagttc ttagtttact ggggtctgaaa agcagggttc tcttttaacc 180
tctgggattt cttaacagtt gctaccggtg gtatgatcac ctgatgatgt acttttagcc 240
aactgtgtgt catcaatagg ggtttgtctg ttttaaagaa cattcaaaga aaaggaatgg 300
ctagtcatat ataggagatc ttgttagctg ggatttaagg gagacttaga gaaaagctaa 360
cgggaaaagg acgtgcattg tggangaaag gggggcngct gtnaccnttt taaaaaccct 420
ttt
```

<210> 760  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (465)  
 <223> n = A,T,C or G

```
<400> 760
ctgaacctga ctgatagaag agctaaactg atgaagcctt cagatacttt ttttttttaa 60
nactntnact ccgtngccta cactggagng caggggngat catagntnac tgcagcctcn 120
aactccngag ctnaagngat cctctngctt naccttctctg antagctggg actacaggct 180
ngggncacca tacctactat ttttnatttt ttatgganac aggctntcan tatgttgacn 240
anactggnt tgaacttctg gtatnaagca atcctcccac cttggcctcc caaagngctg 300
ggattacagg cntgaccac ctcgtntagg caaaaaacag ctnaatgggt ccagtccttc 360
agtctgtctc ctggccaaca ntggaccttt naaagggttaa ccaagttctt tttcaggggc 420
gttggnaaaa aaaccctta tngttggaaa ccaaaaaagg ggggtt 465
```

<210> 761  
 <211> 427  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(427)

<223> n = A,T,C or G

<400> 761

```
gtaggcagtt tggaaacctg cccagctgc tgcagtcata tcagacttgt tctctggctt 60
atagccatga agacacaacc acagccttca tgggtattctc cactcctgat cttccagctt 120
aatatctgga ctaacaagaa acttaggact ctgaccagat gtaaaattaa catgttttgg 180
aagcggcgaga gtaatgccca accaactttt ccccaacatg gggcataaac attgtaacat 240
ccagtccaaa tgtcaatcca gttttctcag agataactgc tctaataataa gaatgtgtgc 300
ttgtacagag tttgtgatgt gaatatgtaa attttattta tgccataatc tcactacagt 360
acatcaaaac gagatgcaga atgntacaaa ttcttcaact anacagnttn gggcagggtt 420
cacaaac 427
```

<210> 762

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(435)

<223> n = A,T,C or G

<400> 762

```
agtctcactc tattatccag gctgcagtgg tgtgatctca gctcactgca aactctgtct 60
ccgggttcag gctattctca tgcctcagcc tcctgagtag ctgggactac agttcacagc 120
cgcggtggcc tccagcctga ggattctcct gatacatgct actaagggtc cacctgtgct 180
tgcttctctc ctgggagctg tcgactcaca gtttaactctg taggttgaat acatgccatc 240
tgcttactc cctgttcaaa gccactcagc cataaaggaa taaaatagga agaagcgaat 300
ggcaatggag atgcaaaaag tgtcaacaat attttggaag acataagttg tttggacaaa 360
agacttcgaa tttaacgtca gctttctcca ttctgctgag nggctattcc tggagaaaanc 420
cattaaagaa taatt 435
```

<210> 763

<211> 202

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(202)

<223> n = A,T,C or G

<400> 763

```
ncaanngnnn tngtggaanc gacacatgca ttactgtaac ccacgaccac aggatgatat 60
agatcattcc ttccatccca gaagaccctt catgcacctt cccagtcaac actccctact 120
tcaagacagc cactgttctg gtttcttca tcaaagataa gttttcccag ttgtagacct 180
tcaaataaat gaaatcatac ag 202
```

<210> 764

<211> 292

<212> DNA

<213> Homo sapiens

<400> 764

```
agatggatct cgaactcctg ggctcaagcg atcctttcac cttggcctct caagtagctg 60
ggaccacatt tgctcaccag ctggcccaag accagactgg gcaacatggg tcacctcct 120
ctaagattcc aggaccatga tcacccctct attgctactt cttagatcag cttgtaatgt 180
ccatctcccc caccagactg cgtctccagc atctctgagt cccaggggcc tggcctgggg 240
```

cttgctacat ggtgggtgct cagtaactgt gaggtaaata aatgaatgaa tt 292

<210> 765

<211> 121

<212> DNA

<213> Homo sapiens

<400> 765

atggagaaac tgagcctcag agtgggttaac aacttgccca aggtcataca gctgggaagg 60  
agtgtacctg aaattaaaaat caaattgtct gattccttca aaaaaaaaaa aaaaaaaagg 120  
g 121

<210> 766

<211> 528

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(528)

<223> n = A,T,C or G

<400> 766

acctaactna aaataaatgt gaagannaaa cacgaagctc tatgacacac ttgacnaat 60  
atgacaaaca ccnaaaattn ctactcagtg cacttacatt gcgcttacat attctggcct 120  
tactactgtg ggcggcgngc ntcagggtcga aaccttctgg cttntttgcg ggactccttc 180  
tggntgggca attgcagaca cttgttgagc aaatcatcaa ggggagcaag caagtgtaca 240  
ggtacacctt acgcacgcat gccaccttg cgtgcctcgt gtgtacgcgt gcgtgctcgc 300  
ttcatgtgcg aagcatcgtg gcggggctcg cctccaagct tcagcgaagc ctccgtgccg 360  
tgccgccgtg cggttgctcat gtgccgtgcg ttgtgcgggc ttcacttttc gggcttcaac 420  
gcagttttga aagaagcaga agccttgga ccaanangaa tctcaaagta tgtggtngct 480  
tgcaaaaccc tttcttcgct tggcctgnaa naaaatccaa gggactct 528

<210> 767

<211> 309

<212> DNA

<213> Homo sapiens

<400> 767

gtatgagagc cagatcctgc agcccgtagc ttaggaagag cagtctctac ggaggagcag 60  
gaaccaggac tcccatagtc tctctctggc ctctgtgctg tctggcaaac agccgtgtcg 120  
ccttggcctc gaaccctgga gcctgcctca ccaggagaca gaatcaagga caggggcctc 180  
gccttggcac caggtggccc ttcgtgtgcg tacataaaca cttttcccag gatatgaata 240  
aggtccacag gcactcggga ggaatgggtg tgttgcgatt tacggtcaag gagaccagga 300  
tgtcattgc 309

<210> 768

<211> 384

<212> DNA

<213> Homo sapiens

<400> 768

agaagaaaaa ggcctccac agagaatggc caagccaggc cactgctatt tcccaacaga 60  
aatgaaaact ggaattgagc catgtggaaa gatggaccag gccacaagaa ggtcttcggg 120  
acaaccctga aagaggtgac ccaggagac agagtccagg gtcctttcaa atcactgctg 180  
gcaggagcaa agatcaagat aggtgaaacc tgatattcaa atgcaggcgt ggaaaaagaa 240  
taggcacagt ggttcataca tgtaatctca gagctttggg aggccgaggc aggaggatcg 300  
tttgaggcca agatttcaag gctacagtga gctatgattg caccactgca ctccagcctg 360  
ggtgacagag caagactcgg tctc 384

<210> 769

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(368)

<223> n = A,T,C or G

<400> 769

gagaggcaac	gtttcaccat	gttgaccagg	ctgcacgggg	tccatttttg	tgctcaccgt	60
tattcctaca	gcctcacaga	atcctggaca	caaagaaaga	cttaacaggg	ttcattcatt	120
cctgaaccaa	agcggctgaa	cgatgtcaac	aggaccagag	aggctacagg	aacgccatat	180
tttctttctac	atctcttttt	ttaaaaatct	tattttcaatg	gagtcaaact	caataagggtg	240
aattaaagga	aaaagagctg	acccaaacaa	acaagcaaac	agaaaccttt	tctgtcctgt	300
aatgttttagg	cgcaagataa	gaagtgcaaa	tanagaagtt	taaaaagcta	attaaagggg	360
tttgtttg						368

<210> 770

<211> 439

<212> DNA

<213> Homo sapiens

<400> 770

atgcagcaag	aaggtgtcgt	ctatgaggaa	tggggccctta	agaaacctag	aacctgatgg	60
cacgtttatc	ttcgacttcc	cggtcgtcag	aactgtcatg	catgctgtta	ctgatctgct	120
atctcatctt	gtcggttggc	atatggcagc	agagccaggc	ctgcagctcc	tccagatcct	180
gatggatctc	cttcagcatc	tcagaagcct	agattaggta	catgtaccag	ctgtgcagct	240
ctacctacat	ggtaggtaag	cctttccata	aaagtgaaga	aagccccgta	tgaatttttt	300
caatgaatca	agactctgta	taaaatcagt	tggctaaaag	gagagcacat	ctgctcactt	360
ctgctgttta	tgcaacatgc	tacagaatga	attttaaagc	caaacttttt	attaaaatga	420
caaaattgag	acaaggaac					439

<210> 771

<211> 211

<212> DNA

<213> Homo sapiens

<400> 771

ggtctcattt	tgttgcccat	gctggagtgc	agcgatatga	tcaccactca	ctgcagcctt	60
gacttcctgg	gctcaagtag	atcctccac	ctcagcctcc	cacatagctg	gaactacaga	120
gtttactcca	ttgctgactc	ctcattgaac	actttgctgc	accaacccaa	ccaactcaga	180
gggttagaga	attgtttgag	accctccta	c			211

<210> 772

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(477)

<223> n = A,T,C or G

<400> 772

gctccatcgc	attacaggag	acgtcagaaa	ctgtaacgcg	catggctctt	tcccgctcctg	60
gaattttcat	cggtgatcat	gactgccacc	cctaccgcgc	aatttcacaa	gtgggctctt	120
ataatcccac	aacagccctc	tgacagaggc	actgttatca	ccccgcttta	aaggagagga	180
agcggcgggg	caccgtggct	cacacctgta	atcgcagcac	ttcgggaggc	caagggtggc	240
ggatcacgag	gtcaggagac	tgagaccatc	ctggctaaca	cagtgaacc	ccgtctctac	300
taaaaataca	aaaaaaagtt	taggcaggcg	tgatgggaca	ccccctgtag	tcccaactac	360
tcgggaaact	gaggcaagag	aattgctgga	acccgaaagg	ggcaanggtt	gcagtgagcc	420
gaaaatcacg	tcatgtctct	tagccctggt	gacagaacaa	gacttttgtc	tcaaaaa	477

<210> 773

<211> 567  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(567)  
 <223> n = A,T,C or G

<400> 773  
 atctacctac gttaagtcag nnnactanan ggccaacaga anacttngaa aaaanggaag 60  
 ggaanaaaga aaaagaangc accaactctg caaagttctn tggaatctgg gaagtcaagc 120  
 ganggcttnt gccttnttca tggtgaccct tttgagcaag ttcagcctgg ttaagtccaa 180  
 gctgaattgg cctcgctggc ctatattgaa ttctatatgg ggcccgcctat ngggccaaat 240  
 tcttttggct ttttaccctg gggaaagaaa atactcatta aagccacctn ttgttattta 300  
 cccccaaatc ttcacaaagg aaaaaaaaaac naactcccag caaaagccct tttttggcnt 360  
 ngnacctggc tccttttgaa aaccagtggg gccttgccca nngaattncct ttgccccctt 420  
 gtgccccgcg ccttacnact tcnatcccc accttacctt ttggtcccac ttcttggnc 480  
 ggnacnaaag ntttcaagtc canggtcctt ccatnccttt ttctttccac tttcatttaa 540  
 cccacctaaa agaaaaagcc cttcctt 567

<210> 774  
 <211> 294  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(294)  
 <223> n = A,T,C or G

<400> 774  
 ccgctcatat tcaggggcang angtaacagn gcgggaattta anacgcaaag naagatttttg 60  
 ttggagaana aatgagattt ctttgncnag gaaccagccc gnccttttga gcaagttcaa 120  
 gcctgggttaa gtccaagctg aattggcctc cgctggccta tatngaattc tatatgggcc 180  
 ngctattggg ccaaattcctt ttggcttttt aaccctggga aaggaaaaata acttcaataa 240  
 aggcccnccn tntngttttt aaccccccat tcttttnana aagaaaaaaa acgg 294

<210> 775  
 <211> 217  
 <212> DNA  
 <213> Homo sapiens

<400> 775  
 ggaccacact tcacaaaagg gagcaagaag gcagataacg gcaaagaaaa atgtttgtag 60  
 tttactgtgg aggaccaagt gagtttatac agatgtttac ctccttttggg attatttgct 120  
 gctggctaga atgaaaagac aaacattccc ttcaaacagt atgccattgc ctaataattt 180  
 tgcaagctca aatgaaatcc aaccaaattc agaattt 217

<210> 776  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(191)  
 <223> n = A,T,C or G

<400> 776  
 gcatcagcaa actttggcan cagaaagcan aggactccag gcaactgctca tccctacagg 60  
 ctgctgggtg aacaccctcg ccaaagaagg agactgcaga aatcctcctt gatggatatca 120  
 gctcactctc tcttaaattg tcatccactt ttaattattt acaactaata aaacatgtaa 180

taacacggtc c

191

<210> 777

<211> 284

<212> DNA

<213> Homo sapiens

<400> 777

```
agtaaataat ttcaagtact gaactaattg ctggctcata aggcggagtg ctactgcatt 60
tctgaacagc aggctcaact gtctaaaaca ctttttctaa agcatgaagg aggctgatgg 120
ccatgtcaac gttttcctca agatcaagga atcaatcctt tacgttgtgt aatgaaagga 180
ttcattctgt tgatttcccc catacaaatt atgtgttcca cagatgaatt tctgcttcaa 240
cctctcggga ggcttaataa aaggccttga ggctttgaaa tgac 284
```

<210> 778

<211> 102

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(102)

<223> n = A,T,C or G

<400> 778

```
ggacaaagct tgggccgcna gntctccctt tgggcacccc ccaccctcct tggnacaaang 60
cctgatgtnn agtcttgggt gcgactcata ccggcctggg aa 102
```

<210> 779

<211> 369

<212> DNA

<213> Homo sapiens

<400> 779

```
gagtcaccag gttcacggaa caagctccaa caagcacccct gtgctcagcc acatggcacc 60
tctcctgggt tctgcccatt ctgcgcggcc tctgctctgc tcaaatggct acttaccttg 120
aagagcttcc cctctaggct ctacctgaac ctactctct tccgggaatca gaagataaat 180
catttcaca caatatccga aaaggatgtc actctttcta ctatgtattg tggattctaa 240
gacacacacg gtttttcaca cttggacatc tctgaagctg gggatgtatc ttataatcca 300
agttgtcag ttataattag cattttttct ttctcagtggt tatataaaac aatgatacaa 360
cttcaaaag 369
```

<210> 780

<211> 174

<212> DNA

<213> Homo sapiens

<400> 780

```
ggacatctga atcaagctat gtaaaggcaa aacctacctc atgctcagag actcagcatc 60
ctcactgaat gcgtcatcac gcctgatgaa gcacaagaga aaacaagaga aactgaagat 120
catctatatt tagtgctaga aaagaatcac aaataaatat taaaatacac actc 174
```

<210> 781

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(359)

<223> n = A,T,C or G

<400> 781

```

gtcatgtgac ccaagaccat cccataagcc ntgantttng gantttttggt ggancngcnn 60
ggaaaaanaa acttttncntt cattggantt ggaatggann agggcgggtca gtttgaattt 120
gcagggnctt gccttgccggc ccatgggaaa gggcttgccg aggactggaa nctaccaagg 180
agggaggcag aggacaccgg atgtgggtga aaatacgggc cctaacacat cattttganc 240
cttggattca cccctgcctg gccttgaaac caatacatta ggccccaat atattattng 300
gaatatatat atttnggaat atgggtgtatt tagaanccaa tttattagaa acccaattt 359

```

```

<210> 782
<211> 194
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(194)
<223> n = A,T,C or G

```

```

<400> 782
tgggatcaaa gaaagcacca gtttctgaag acattttaata cctgaggntc caagactagc 60
acaaacttca tttttaaaac aatctacgtt gccttgtttt atgtntaaga tccaaangtg 120
ctagacnagt tctttattgt caatctacca tgtgtgcgac cancaacnnt taaggatgac 180
ttttgttaaa tatc 194

```

```

<210> 783
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

```

```

<400> 783
gtggcaaccc tgcataaatc aaatctatca ancaccattt ttccaacaac atatgctcac 60
ttttcatntg ggtcangcat tttttancaa tatttttaaaa ttaagatact gccatctttt 120
gcaaattgaa ggtttgccgga aaccctgcat ggaggaagtg tatcggcgcc atttttccaa 180
cagcatgctc tcaactttgtg tcttttttca cattccccta aagagggaaa cagcacagga 240
ctgggcagtg caatgcttcc atagtgcacc tcattgcatg gaccgttccc ctgaggctgg 300
tgggcaagcc agcgccaagc aaccactct gtgatcaacc cactcccat gggaagtctt 360
gcccttggtg gcaagtgttt ccatagtaaa 390

```

```

<210> 784
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

```

```

<400> 784
ctnacntntn nagtccaact gannannaan gcattggtct nganggagng aaggnnattc 60
cctnagaggc cacaaaccag ggaacgcan gggcggtctga agctaccaga agagccagga 120
gaggaaccag ggatgggttc tttgccttac agccctcaga ggcgccaacc ccgctgacac 180
ctggatctcc attcctagcc tccagaactg tgcaagagta ccgtttctgc ctctttctgt 240
aggaaaccac ccagggtgtg gtgatttgta tggcagcccc cgacactctg gcaagctcca 300
tcccagcgtc cctcctccc atcagctgtg acctcatgtt cctctcctgg actctgttgg 360
actcatggca agaatatctt aataaacgca tgttaaagc 399

```

```

<210> 785
<211> 117

```



```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(117)
<223> n = A,T,C or G

<400> 785
gactctggga gctcctgctt ananctnnnn tgttagaatt ggaagctaaa gctaccaaag 60
acgtagaaaag aaatcttagc agggatttag tgcaagaaga agaacagttg atggaag 117

<210> 786
<211> 262
<212> DNA
<213> Homo sapiens

<400> 786
gaagcccctc tggatgcagt ccaccagaga ggagcagtc attatcaaag aagattatgt 60
gggctggaga cccaatgcag gagggaaagca gcaggagttt ctgggaggat ggcagagggg 120
gatgacggga taactgcaact ccaggtggca aaagcaaccc atcctgacag gacagtgtga 180
cccaagagcc atgcacagta aggggtatca tcgcatgcc ctctgcctca tgcaatctta 240
aataaatatg aatatattca ac 262

<210> 787
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

<400> 787
gnnggaaaagc tagncgnncn tgnannncga gtgctggagg aagnctgnan acatctacnc 60
cacacanaan naagncnatn attnacaggg cattttacta atnanangcc atgctggggn 120
ngcagnngtg cantttngnc tnactgaann ctctgantgg nggggtcaac gatccctccc 180
acctcagcct cccgagtagc tgggactaca gaaattattc ctttgcaggt ggtgcaaagg 240
atcagcacgg gagttttgac ctgctccgtt tccgacctgg gtcggttcac cctccttag 300
gcaaccctgc ggttccccgc tccagggagg tcacctctt gatgctgaat ttagcacgga 360
cacctgatgg gcacagtgca ctgcagccca gagctcctga gctcaagcca tcctcctgcc 420
tcaacctnca agtagccagg accacaggcc ccccccttgn ggggaagaaa taccagggtgc 480
gcatgcttca anaaaaagcc gctgaggacc cgg 513

<210> 788
<211> 284
<212> DNA
<213> Homo sapiens

<400> 788
gaagccaact ctcagggtct tcctccgctt ctgtttcttc atgccccttg gtggaggctc 60
ccagatggac gctcagacac ggaaggtcca gggagatgcg tggatctgcc gccatgtggg 120
tggaaccaagc tggtgcctcc attggaagcc tctgtccggg gccacatcct ccctgggttc 180
cagtccccac ctgccagggt gacaattagg caatttgatt tactaaggag aagacaaaaga 240
aagaaaagga gaaatatttc aagaaaaaaa agactgtgaa aaag 284

<210> 789
<211> 400
<212> DNA
<213> Homo sapiens

<220>

```

<221> misc\_feature  
 <222> (1)...(400)  
 <223> n = A,T,C or G

<400> 789  
 ctggggagct cctgcattaa nncnganttg ttgganntgt gtnacagana aagactcggn 60  
 gaatgccnca canngatgaa ggcangtgat gcatctacaa ggccaagaaa tgtcaaagac 120  
 tgcctgcaaaa ccaccagaag ctaagagcaa aagcacaaaa gcgattctct cccacagccc 180  
 tcagaaggaa ccaaccctac agacatcttg atctcaggtg tggagcctcc agaactgtaa 240  
 gacaacaaat atctgctgtt ctaagctact tagcttgtga taatttgtca aggcaaccct 300  
 aggaaataaaa tacaggggaac ttcaaaaaaa aaaagggcngg ngnggncnnt naanttnggn 360  
 nttancnagn cngantttgt tnaaaagggg gggggggggg 400

<210> 790  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(432)  
 <223> n = A,T,C or G

<400> 790  
 gactctgggg agctcgattc tcttgccctna cctcccnag tagccaggac tacagtgtcg 60  
 aggtcatgaa agccactgaa agactgagaa ctgttccaga aaggagacta gagagacatg 120  
 gcagccaaat gctccacata atcctgtcct ggattcttct cctacaaagg aaggggtctg 180  
 aggattaggt ggtagtactg aatcaaggaa ctatcatctc ctatttgtgt gtaggatctt 240  
 ggcagccaga cccagctcc cactttccct gaaagctccc tttaatgaag ctgaacgctg 300  
 tcccagcaat tccctccaca gaagacctac tgtcaccacc tctggagggg caattcctgg 360  
 aggaaccaag tcagccaatc gaaggtcctg aataagcaaa aactaagtaa ataaattacc 420  
 atctcgaaag tg 432

<210> 791  
 <211> 520  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(520)  
 <223> n = A,T,C or G

<400> 791  
 gtgactagaa gcatcagggg acctgcccta gacacacca gagggcagag gggaactagt 60  
 tccaaggagc aggttcaagc acatgggtgg gaaaagaatg aagctgtttt ctccttgtgc 120  
 cctccaaggt tctcctctta caatatacta cttacctcgt ttctcctgga attctcaata 180  
 tctgtctagc ccagcaggtt gaaagatgtc atcagcacgg tgactggctg agatcaaata 240  
 ccatttttgc acttaatggg ttgtaggaaa gtagacagaa tgctatcctc cacgtacctt 300  
 gattcactta tctgtacgat gtggataatc gtaggatcta cctcatggag ctattgngaa 360  
 gattaaccag ccacaaagat cttaaatcag ggtctagctc atggtaagtg ctcaatcaat 420  
 gatagcaatt tatcatcatn cctcttcant ggaanaccct gatgttcac aaaaaattta 480  
 atgctcatta acctctaaag aaaaanggaa aggagaaaga 520

<210> 792  
 <211> 350  
 <212> DNA  
 <213> Homo sapiens

<400> 792  
 gtcctgcttt ctcactctaca actgaagggt gcatctttcc ttaaaagcca ttaacggtca 60  
 tctactgtcc atggggcgga ggtggagctg attcatacag aatttgagaa tcttgccctg 120  
 cttaccatct aaagatgact caaaagcttc ttacatccaa atgaaacgtc tcacttcggt 180

cgtaaagaat	gtggcatctt	tagggttgcc	ttcacagtga	cactatgaaa	acctggatga	240
cagcaacggc	ggtggcagca	aagtaaagca	gcaaagtaaa	aaaaaatcct	gttttgtaat	300
ctccctttgt	caaatcaccc	acctaactgg	aaaataaatt	cttaaaccatc		350

<210> 793  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<400> 793						
gctatacaaaa	actgggtggg	ggccagagtt	tgatttctgt	ctcctgggtgt	tgatgaaaga	60
ggcttttgaga	aaaagatgca	ggaaaactca	agacaggatg	ccatgctgct	tttggacatt	120
accaaaaaca	gcagaagagg	gagccccgca	aagggggcact	ggtatgacct	ttatgatgga	180
gaagaaagtgt	attaccccct	ttctgcctct	gcagccacaa	aacagatcaa	aacctatttc	240
agaacaagct	aacagactct	aagaaaatta	tgtaagacat	gaaagtatgt	gaattgttac	300
agcaatcaga	aaagaattaa	aaaattttaa	aatgcatttt	aggagcaaag	actaaacaac	360
aaataaacac	aacatgtaat	gccctaagaa	aaacagaggg	gtgaaaatg		409

<210> 794  
 <211> 276  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(276)  
 <223> n = A,T,C or G

<400> 794						
cagnacctga	gtggctaagc	tcctacntcc	tgttctggaa	ggnctttcct	gaccncacac	60
atgagccata	tnctnttcat	acngacantn	tatnggtgag	ggaaaggcaa	catttggaag	120
gactggacnt	tttaccttaa	ggggatttta	aaaaatcacc	acaatggact	attatcacaa	180
cntnggattc	aaaatttatg	gatttccctt	ccttttggtt	acccaaaagg	tggacttngg	240
aagaaaaaga	ngaagttggg	agcttaaaat	aaaccg			276

<210> 795  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(510)  
 <223> n = A,T,C or G

<400> 795						
atggagtctt	cctctgtcnt	ccaggctgga	ttgcaagtgg	caggatctcg	gcttactaca	60
acctccgcct	cccaggttcg	agtgattctc	ctgcctcagt	ctctggagta	gctgggaata	120
caggcaccca	ccttcgtgcc	cagctaattt	tttgtttgta	ttttttaga	gaccgggttt	180
caccatgttg	gccactctgg	tcttgaactc	ctgacctcag	gtgatccgcc	cacctctgcc	240
tcccaaagtgt	ctgggatgac	aggcttcagc	caccgtgccc	agccaagatc	aagttgttgt	300
tggcagggct	gcactccctg	caaaggctgt	aggagacaac	ccatctttgc	ttcttcagct	360
tctaggggct	tccgcagcat	gccttggcgt	gccttgcttg	nggctgcatt	actccaatct	420
ctgcctgnat	ggcaaaatac	cttctnctgg	gccatctatc	ttcctgnggn	cacttataag	480
gacaggtatc	attggaatta	atggccctcc				510

<210> 796  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> (1)...(255)

<223> n = A,T,C or G

<400> 796

```
atggcagctc tcaagatctg tccggaaaag tctagaagcc tccagatttc taatcaacag 60
actagcgctc ctccctctgta actgaggaac aagatgccaa ggagacagga gaaagaagag 120
aatncctttc tngtttnggc cntaaccenn gaancanant ngncntgan cntngtaa 180
aagttacatt tctgcagagg tgcttgacgt tcacaccgtt tggattgctt tattaaga 240
ctcttttttag agccc 255
```

<210> 797

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(450)

<223> n = A,T,C or G

<400> 797

```
ttgaatacaa ggatgtgggtc aactatactg ttcttaccgt tgaaaaagaa gtgctgagggc 60
cagggcatggg ggctcacacc tgtaatccca gcactttggg atgccgaggc agctggatca 120
cttggtgggtc agagttcaag accagattgg ggcacatgat gaaaccccgct ctctactaca 180
aatacgaaaa ttagccattg tgggtggcaca cgctgtaat cccagctact caggaggctg 240
atgtggggaga actgaaccct ggaggtggag attgcagtga gccaagatgg cgctactgtg 300
ctccaacctg ggcaacaaaa caacactatg ttttaaataa ataaataagt gctgngatct 360
tcngaaaaat aaaaggnnan nnaagnnggg nccnngnggc caattaacct tgggaattna 420
ccngntgan gtttttttaa agggggggggg 450
```

<210> 798

<211> 206

<212> DNA

<213> Homo sapiens

<400> 798

```
gggtcttactc cagttgcccc ggctggagta cactgggtgtg atctcagccc actacagcct 60
tgacctcccg gactaagggtg tttctccac ctagcttgat gactttattt gtgtactttt 120
ctgtattcca aatcctttgt aatgactatt gtaaaggatt acattatgga gctcaattat 180
ttaggaaata aatccctcag acactt 206
```

<210> 799

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(571)

<223> n = A,T,C or G

<400> 799

```
gacgtctggg gagctcctgc attaatgacg aacttgaann ggagcttaat ggtggccncc 60
aagctngang tgnaccggg aggatcttaa cttactggaa nctttngctt ccgggttcaa 120
gcgaatcttn nacctcaacc tnccgagtag ctgggattac agacgcccc cttatgctc 180
ggntaatatt ccganttttg gaaaaaaggg gnttcacat tttggccagg ctggncttga 240
actcctgacc tcangtgatt cgcctgcctt ggcctcttaa aagtgtgagg aatacaggcg 300
tgagccaccg ngcccaaccc aaacgtttat tttctaattt acaggtcagg gggaaagaaa 360
gntttatttt ggtttgcttt ttcccttgag gaactgaatg gtttctcctt tctgaattta 420
aaggaaaata acttactggg ggtctctttt ttgccctcaa aatttgctan cccagtaagn 480
cccttgacgc tctgttattc tttataanca acaatgcccg ctttttnccc nccctgaatt 540
ttcttggggg ctactgggct taacctcat g 571
```

```

<210> 800
<211> 204
<212> DNA
<213> Homo sapiens

<400> 800
gctacaggggaggcactggaa gaattttaaag tgggagaatg atatccattt ttcactccaa 60
ggttgaaaagg cacaataactg gaggtaaaga agtctacata ggaggtcaag gactcctttt 120
ctggattatc ctaattaactg attaaggagg aagaattaga gacctagatc ataacagata 180
attcattaata ctagaacttg gaag 204

<210> 801
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

<400> 801
gtaactccct tcccaaccga tgggagacaa agtggctggc ctgcagaagg catccaggag 60
ggtgacgaaa atgaatccaa ctaaaaatac ttgcttcctg agtcttcctt acaattagga 120
gtagccttgt aaccttggtt agccgacaag aggaatgtcg agatttgtag ggagttttgc 180
tccgttgccc agactggagt acagtggcac gatctcagct cactgcaacc tccaactccc 240
agattcaaga gattcctgtg tctcagcctc cgaagaagct gggattacag gcatgcaaca 300
ccaagcctgg ctaacttttg tatttttagt agagacagag ttccaccatg ttgcccaggc 360
tggtctcgaa ctctagggg cctcaagtgg tccacctgcc ttggccttcc gaagtggctg 420
gggttacagg catgagccac cagcccgccg caagacaata acattttttaa tcctacatca 480
aaactttaca tttcaaaaaa tgcattttct angctgagac atttttat 528

<210> 802
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

<400> 802
ttgaatacaa ggatgtgggtc aactatactg ttcttaccgt tgaaaaagaa gtgctgaggc 60
caggcatggg ggctcacacc tgtaatccca gcactttggg atgccgaggc agctggatca 120
cttggtgtca agagttcaag accagattgg ggcacatgat gaaaccccgct ctctactaca 180
aatacgaaaa ttagccattg tgggtggcaca cgctgtaat cccagctact caggaggctg 240
atgtggggaga actgaaccct ggaggngggag attgcagtga gccaaagatgg cgctactgtg 300
ctccancctg ggcaacaaan caacactatg ttttaaataa ataaataagt gctgagatct 360
cagaaaattc ccnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnggggggc cgggggncct 420
ttttntttt natttaaaccc ggggtanttt tttaaaaagg ggggggggg 468

<210> 803
<211> 212
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(212)
<223> n = A,T,C or G

<400> 803

```

```

gcttatgtgg gactgctctt cttcncagaa cagtggctan natgacantt ttattatgat 60
ncacttccac ttaatgaaca gcctgagccc cttcaccttn tgccatgngt ggaagcagcc 120
tgaggacctt cccnaagggc agantctggt ggcattgctcc ttgtccaatc tgcagaacta 180
tgagccaaat aaaccatttt tctttataaa tt 212

```

```

<210> 804
<211> 323
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(323)
<223> n = A,T,C or G

```

```

<400> 804
attatatttgc ctttctgcct tcttccatgg gaaanactgc aatgaaagcc ctggccacat 60
gcanccctt catgttggac ttncagtcn tnagaacccat gagccaanta aacttctatt 120
gcttatnaac tactannatc tcaggcatct tggtaccgga gcacncantg gtcttttnaca 180
tttaataaatg tgaatgcnt tggagtntgc tttgtacatg atnagcactg antaaatatt 240
anagatcctt angnggganc nntncattgn tacctctctt ataataattt aaaagttata 300
aaacccaaaa gccttcgaac tgt 323

```

```

<210> 805
<211> 477
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

```

```

<400> 805
accgagtctc gttctgtcac caggctggag tgcagtggcg caatctcggc tcattgcaac 60
ctccacctcc caggttcaag tgagtctcct gcctcagcct ccccagtagc tgggactaca 120
ggcgcacacc aacacaccca gctaattttt gtatttttag taaagacggg gtttcacat 180
gttgggcagg atggtctcga tctcttgacc tcgtgaccca cccaccttgg cctcccaaag 240
tgcagggatt ataggtgtga gccgctgtgc ccagcgccg ctgaatgtat ttcttaccac 300
caatctgttc agtcattact attccttccc cctttcctaa gtaccatggg aaatgaagca 360
taaagcactc aaagtccaag gaaaaggcaa cattcaggat cagttncaga atgtctgnct 420
ctttcagacc catgctccca ccagttgggc atgcattctt caacttggat gcctatg 477

```

```

<210> 806
<211> 324
<212> DNA
<213> Homo sapiens

```

```

<400> 806
tttttttcta gtgttcaaag gccggcggat catgaggtca ggagttcgag accagcctga 60
ccaacatggg gaaaccccg tttcactaaa aatacaaaaa ttagcctggc atggtggcgc 120
gcacctgtaa tcccatctac tcaggcggct gaggcagaag aatcgcttga acccgaggagg 180
cggaggttgc agcgagccaa gatcacacca ctgcactcca gcctgggcga cagagcaaga 240
ctccgtctca aaaaagaaaa aaaaagaatt ttttttaaaa cttcaataaa aacttaggtc 300
ccattaaatg gtaaatctgg ctcc 324

```

```

<210> 807
<211> 288
<212> DNA
<213> Homo sapiens

```

```

<400> 807
ctatgtcctg cttctccact tacaaggcca tatgcaactc gaatctctgt ctaccacact 60

```

```

ggcatccacc cttccagacc ctgcttaaat gctacctcct caaatgccaa cgaactccaa 120
aactcggttg ttcatctctg tggaagctga tctctccctc cttggcagcc tgtgtccccg 180
tgatgcgttt tgtaaaacttg cagctacttt gatcttgtct tggattgtac ttgggtctta 240
ccttaaccct tgggtccagat ggcaaatacg gacagcccct gtgagctc 288

```

```

<210> 808
<211> 277
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

```

```

<400> 808
gactgcccc a gtctacacaa atcccttcct tctagcagac tgagtcacac aagaataagg 60
agagtgaagt ctacatgttg gggactagag tgaatcgaag cttttctgga aggagctccg 120
tgaacctggc tttgagaatc tataaaaaaac aagccaagta aaatgtccaa gaggtagtgg 180
tgctgaagaa tccaagaact tttcgaaata cttaacaaaa ctatcacaaa tgtattccaa 240
taaaacattt tgcgatagca nannaaaacg aaaaaat 277

```

```

<210> 809
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<400> 809
gaaaagcacc aaggatggag cagcctggcc tttgccccat gctggttcct gcagggtgcaa 60
agggagaact actgctaatt ggacagagaa ggtccatgct gcacatggtg cagagatcaa 120
cagggtcttga gcctccagag ctgtcagcct agtgcttttc atgcgcctta aaagtgaatc 180
agagagaaaa caaagaaggg tcactcttga gatcttcagt ccctggcatt gctggaagta 240
aatatgaagc atctgggaga aacagagact atattcaaaa gtttacataa aactgaacag 300
aggagggagg cggagagggg tgactggtga tgttccagag taaaaaaaaga aaaagaatcc 360
ttttcaaata tattggagaa ctctactac tcatcattca gtaaaagcca atggaact 418

```

```

<210> 810
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

```

```

<400> 810
gagtcctggga gctcctgctt aagtnnaact gagttgaata canggatgtg gtcaactata 60
ctgttctttac cattgaaaaa gaagtgctga ggccaggcat ggtggctcac acctgtaatc 120
ccagcacttt gggatgccga ggcagctgga tcacttgttg tcaagagttc aagaccagat 180
tgggcgacat ggtgaaaccc cgtctctact acaaatacga aaattagcca ttgtggtggc 240
acacgcctgt aatcccagct actcaggagg ctgatgtggg agaactgaac cctggagggtg 300
gagattgcag tgagccaaga tggcgctact gtgctccagc ctgggcaaca aagcaacact 360
atgtttttaa taaataaata agtgctgaga tctc 394

```

```

<210> 811
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(473)

```

<223> n = A,T,C or G

<400> 811

```
gttcctaggc cccatccgag gcactgaata acaatctaca gggaagaaag acatcagtca 60
gattccaaaa cctcccacgg tctggcgata aacatcaagg aatcaatggc agaatacttt 120
cctgagaaat tactccatgc ccttgggtct agtgaagcct atttcatcca tctcggaggg 180
tccatattct gtgagaaaat ggccccgtca ctcaagagtg atgaaatccg tggagcacgg 240
ctgggctaga aatgattacc aaagcccgtt aggagatgcc aacagagact atattaacca 300
tcattccctc tgtcacagca atcttgaatg aaagaggaaa gaagactttc tgctggttat 360
ggnatcttcg ggaatcatct gacagcttat ttattaaatg catttaatat taattctnct 420
tgnactctag ctgaccttca gaaacattcn cgagtcntta agaaccctaa agc 473
```

<210> 812

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (301)

<223> n = A,T,C or G

<400> 812

```
gcgttatggt tattgagagg aacatctgan gctgcgcant ctctaaggaa aagaggttta 60
tttggtcac tgntctgcng gctgtacnnn aagcatggca cctgcatctg ctctatatn 120
agttgncagc tntgntccct cacacacaaa gggnggtgtt aagaagttac ttcaaggact 180
gatgtcagag gcnaagnact atattgnttt tctgtnagtt tctattagta gattttgtat 240
gttacagaat atagaactag cagaatacaa tgaatcttaa tgaaccattt attaccctgc 300
t 301
```

<210> 813

<211> 370

<212> DNA

<213> Homo sapiens

<400> 813

```
gaactgagtt gaatacaagg atgtggtcaa ctatactggt cttaccattg aaaaagaagt 60
gctgaggcca ggcattggtgg ctcacacctg taatcccagc actttgggat gccgaggcag 120
ctggatcact tgtggtcaag agttcaagac cagattgggc gacatggtga aaccccgctc 180
ctactacaaa tacgaaaatt agccattgtg gtggcacacg cctgtaatcc cagctactca 240
ggaggctgat gtgggagAAC tgaaccctgg aggtggagat tgcagtgagc caagatggcg 300
ctacttggtg tccagcctgg gcaacaaagc aacactatgt tttaaataaa taaataagtg 360
ctgagatctc 370
```

<210> 814

<211> 212

<212> DNA

<213> Homo sapiens

<400> 814

```
gtctctggct ccaaagagtg tacacctgag gagttgtagc caagggtttt catcctcaac 60
tcacctgatg cagagcatga gatctaagac tgtgaacctg atgcaatatt gggatgagac 120
ccatggagat cctggaatgg gaatgagaat attttctata tggaaaaaat gtgaataagt 180
ttcaaccaga cagcagtctg tggtagattg cc 212
```

<210> 815

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (196)



<223> n = A,T,C or G

<400> 815

```
atcattcctc tgggggaaac caattgccat gtcataagca gccctgttga gaggaccaca 60
tgatgagggt gtaagcctcc tgccaactgc catgttgntg agcttggaac tgcagcaatg 120
gctgacatnt tgacttgaaa ccttacgtga gaccttntgg attcctgacc cacagaagct 180
gcntgagata ataaat 196
```

<210> 816

<211> 188

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(188)

<223> n = A,T,C or G

<400> 816

```
agactggatc tcactacttg cctagctctt gaactcctgg cctcaagcaa tcctcctgcc 60
tcaacctccc aaagtgtctg gattacagga gtgagccact atgccncaca tggattatt 120
attattgtta ntaatactac atttgtcttc ataaataatt gctaaatata caagaatatg 180
tttgtttc 188
```

<210> 817

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(394)

<223> n = A,T,C or G

<400> 817

```
gctctgaggg gctccaagaa gctgggtgctg tctgtgtact caagcagggc ngcatccctg 60
ggggctacgt caccaaccac atctacacct ggggtggacc gcagggccgc agcatctccc 120
cactctcggg cctgccccag cccacagggt gtgccttgag gcagcaggag ggtgaccgga 180
ggagcacctc gcacctcctg caaggagggg atgagaaaaa ggtgagtggg gtggggaaaag 240
gaggccagcc tctcagacac cgtattctcc ctccgaacct agaacagcag agctgcttg 300
aggccgcaag aagaggctgg ttctgtccag gctctgtctt ccctcaagtc tgtactgaaa 360
gggtggngtt ttttctttgc ttttcttttt gacc 394
```

<210> 818

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(392)

<223> n = A,T,C or G

<400> 818

```
gggtttaccag gtaangtcgt tttcctggga aaaagaacga gttgaaagga agagcaagga 60
tccgctccgg acctcactcc tatattttgc tgagatgaaa accacaatcc ctgcactgcg 120
agactcatct cataattaga aaacaaagga ttatccaccg ggttctctcc cctcgccctg 180
tggccttgct gctccccctgc agttgctcca aatgacaaaa taatgacggg ttcgccttgt 240
gagagagggg ggctgctca actccacgct ggcgctctga ggggggcaga agatgcctcg 300
tctcatthtat gttgcaaaca gccttaaaaa ggacctgcag ggcgctgggc gtggtggctc 360
acgcctgtaa tcccagcact ttgggaggct gg 392
```

<210> 819

```

<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (387)
<223> n = A,T,C or G

<400> 819
gcaaagatta aaacacatat catgcccggg cgcagcaggc tcacgcctgt aatcccagaa 60
ctttggggagg ccgaggcggg tggatcacct gaggtcagga gttcaagacc agcttagcca 120
acatgatgaa actccatctc tacaaaaata caaaaattcg ccagggtgcgg tggcagatgc 180
ctgtaatccc agctactcgg gaggtcgagg caggagaatc gcttgaacct gggaggcaga 240
tggtgcagtg agctgagatc acgccattgc actccagcct gggcgacaag aatgagactc 300
cgtctcaaaa aaaaaacaaa aaaaaccccn cncntntnaa aaggctcctgg aatcatttan 360
ntnatgggtn taanaaactt gaattttt 387

<210> 820
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (636)
<223> n = A,T,C or G

<400> 820
ttgtctattg cnccaaaggg tanaagttct tggataaaaa acctngnttg aacngaaaaan 60
ggtttggaag agtggganac ttgcgggtga tgaatnaaan aatgaantgc cattggnang 120
ctcttggtgg atgggaaatg gataaagaag tggaaagaaa tcanccttcg ctttcctttg 180
cagaactggg ccctatgatc tgggatggtg ggatgatgcg cctgggaaac aagtcaagca 240
agcaacttcc cgaaaggggac aaccgaagat aagcaccttt tcacaaacct tcggggaaac 300
cgttcatttn ccccgcttga aacttctcac caagcattgg gcccatctcn gnggggnggt 360
gcttcttctt tcttgggtg ccacttgact tggcttggtg gcccacacac aatgttgctt 420
ggccttacaa gcanccttg ngggcntttc ctccgataaa aggggaacca cttttcctta 480
attnnttnc taaatttttt ttttngggg aatccnnggg aanaccccc cttccaagcc 540
ccttgaaagt nnnagggact taancccttg gggctttttt tttttnaaaa aaaccaaaaa 600
gggggttttt ttttggaagg aanaaaaccc tttttt 636

<210> 821
<211> 395
<212> DNA
<213> Homo sapiens

<400> 821
agacagagtt ttgccatggt gccaggtg gcctggaact cctgggttca agcagtcttc 60
ccaccttggc ctcccaaagt gttgcgatta caggcatgag ccactctgcc aggccaagaa 120
gtctttctta acggacccat tccaagcact tcaaccctag agtttgcatg gcagtgtctt 180
gcgtttccct tcaggccagt aataggattc tggatggcgc atgggctctg gtattaattc 240
ctgccagccc acacctgatg ccaggcacac agcaagcatt gttgaaagga tgaaggcgcc 300
aacctccacc tacttcacca cttcatctt gtccaatact gtccaaactc actttggaga 360
agaataaaca ttctttgctc tactttccac tgctc 395

<210> 822
<211> 143
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (143)

```

<223> n = A,T,C or G

<400> 822

```
gtcataagaa gcttacagca ttctgtggta tactgctgaa gagtgggtggg ggttggagga 60
agcanatggc atgaaccctg ccttcctcta agaggggtgtg aaatgtgatg attcaggcctt 120
ttaaattaaa tgcataaaga ttc                                     143
```

<210> 823

<211> 442

<212> DNA

<213> Homo sapiens

<400> 823

```
tcagacttgg ctccacaact ggaacaggcc acagcttgcg aaagagccca tgagtcaatt 60
caacagagat gagctgggga agagagagga aataagaatc ctacccatga ttcaagtcac 120
tggtttaaatg ctgcctacat cttcatttat gcttcaacgg gatctcatga ttttgtctga 180
ttctaaatct ttctgctcca tggtaacctt caaaatcaac agccctgtga ttatgggtgaa 240
accagaattc cggcagccac tggaggggag cagaacaggc ttggatatca ttcaaagcct 300
cattcccaga gaattgtcat tatttgaact gtttagtggt tttctggaag accccacttg 360
caagaatgtc tttatttgac ctgacctgct cagtgcataa aatctaggga catttggtgc 420
gctcaattaa aaaccattgg tt                                     442
```

<210> 824

<211> 625

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(625)

<223> n = A,T,C or G

<400> 824

```
ataagtgnnt ctccaagaat gatcccnaga ctngctaant gatgcntgga cnttctactc 60
tggtggatgg ccntanncgg aaagcnttgg ttgaaccnnc aaanatgggg atcaaggncn 120
tttgaacaaa gangggatct gancgcacct ttctccngca cagcttttgt naangaaaag 180
gctattcacc ttntggactt gaggcnaaa caagacaatn ctgcttgctt ntatgccc 240
ccgngntccc gncttgtcaa gngcaaaggg gccgcccggg tctttttgtn aaagaccnga 300
ccttgtnccg gggttgccctt gaaatggaaa ctgccangac ccaggcaagc gccgggctat 360
ccgtgggctt gggccacaga cnagggccgt tcctttgctg aacttggtgc tcnggacagt 420
ttgtcacttg aaaccgggga aaggggactn ggcttgctat tttggggccg aaaattgcc 480
cggggcaang aacctccctg gtcaatcttc aanccttggt tccttggccg aanaaaaagn 540
aatcccatca ttgggggttg aaggcaaata gccggcnggg nttggcataa cncctttgaa 600
tacccggnnt ancttggcca ttttg                                     625
```

<210> 825

<211> 161

<212> DNA

<213> Homo sapiens

<400> 825

```
gaaatgacca gtgcttttgt taagaatgca cattatactg cagttctttg gggaatgaag 60
ccacccttga ctgaggtaat catcagttca aaggcaactc cttgttttat ctttgacta 120
attgcttaga gaaataacca gacaataata tttatgacaa c                                     161
```

<210> 826

<211> 162

<212> DNA

<213> Homo sapiens

<400> 826

```
aggagaatgt gctggctctg atgttcagt acaagggaac agagagaggt aggaaggcct 60
gaaccagcca agagacttta cctgaggtaa aaattcctct tccttcaatg cctcaaata 120
```

ggatcttgaa gttggaaaat aataaaagct tgtacagatt cc

162

<210> 827

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(505)

<223> n = A,T,C or G

<400> 827

ctgttgatat	cgatggaatt	cctgaccagt	aacatttcca	tgaagatcat	tacaatttat	60
ttcttgaaac	tctggggagg	catggaaaca	tcacattgca	gcagatgctg	gggatgcagc	120
aatgaacaag	acaggccaga	tcctactctt	cagataaaca	caatgatcca	ggtcagtagg	180
catttggtag	gaatctgcat	caaactgttg	ggcaatggta	gacagcaaca	ttgacgtctg	240
taaattttaca	cttggatttt	aagtttcttg	ntggctgcat	ccttcttctg	aaagccactg	300
ctcttttcaa	aaaaacctcc	taaatggcta	aanctctctg	ggttgcaaca	agttgctctt	360
tttccttgag	ccttaagtta	aggagtttgg	gnagaagtaa	tggcttcccc	cactgctaac	420
ttcaaggngc	tacactttct	cttttctaag	ttcctaattc	ggcttacnca	ttataaaaaa	480
cccttantna	aaaatcccca	attat				505

<210> 828

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(350)

<223> n = A,T,C or G

<400> 828

aatcaaaaag	aaggatggga	caaaaatcag	caaacgtaaa	aggaaaaagt	aggccaggca	60
tggttggtca	cccctgcaat	cctagtacgc	tgcgaggccg	aggtgggagg	atcgcttgag	120
cccagagttc	cagaccagct	tgggcaaccg	tggtgaaacc	ccgtgtctac	aaaaaaaaaa	180
tttagcctgt	agtcccagct	gcttgggagg	ccgaggcagg	tggtcgcta	ggactcggga	240
ggcgccagct	gcagtggacc	aagatggcgc	catctcactt	cacctgggcn	acanagcaag	300
accctgtttc	caaaaaaaaa	ggaaaataaa	aaagtngtaa	aaaaaathtt		350

<210> 829

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(479)

<223> n = A,T,C or G

<400> 829

agacctgaat	tataacaagg	ctgcaggagt	tccttgtggc	catccggacc	ctgggcagac	60
tgcaggaact	ggggttccat	aacaacaaca	tcaaggccat	cccagaaaag	gccttcatgg	120
ggaaccctct	gctacagacg	atatctctga	atggtgccat	ggacatccag	gagtttccag	180
atctcaaagg	caccaccagc	ctggagatcc	tgaccctgac	ccgcgcaggc	atccggctgc	240
tcccacgggg	gatgtgccaa	cagctgcccc	ggctccgagt	cctgtgagtg	ctcacaagaa	300
ttctacagtc	ttggcattgt	gccctacccc	ccatgtccca	caaaaagcct	cttctgcttc	360
tgtccaattg	gtcattttcc	tttctggaga	atgggagcaa	cataagcttc	tgctgaaacc	420
tacccccaaa	agaaccgggt	ttgaagnaca	agttttgccc	ttactaactg	gaatggatt	479

<210> 830

<211> 505

<212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)...(505)  
 <223> n = A,T,C or G

<400> 830  
 tttgtcagtg tgcctgcgtg gcggaatctg ggccgtgtat ggaaaagata tattgaagct 60  
 gaagaggact gagagggtct ttttttccat gagagtctca ctctattgcc caggctggag 120  
 tgcaagtggg gcaatcttgg ctactgcaa cctcctcctc ccaggctacc aagttgctgc 180  
 ctcaacctcc cgagtagctg gaactacagt ttacagagtt gcagggggag ccaaaacctt 240  
 gccgtaatcc taccattcac tgctgtgagt aatgaccatc tgctggggac tggagaagac 300  
 ccacccaatc aanttgactg gcttgggttg cattgataaa aggaangnca caanaaggcc 360  
 aataggattg agaaccactc ttccagnggn gggaacgatc tgcagccacc cgcaaaaatn 420  
 gnttcactnt tccantgnag gtnttttaaa aaatctntnt ntttgacata ctcttttttn 480  
 aaaggnngtc ccaaaccaaa taaaa 505

<210> 831  
 <211> 461  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(461)  
 <223> n = A,T,C or G

<400> 831  
 aacctgacct cttggcatct tcagagtggg aaacgaagcc cccaatcttc ctgcagggag 60  
 cctcatcggt tccagcccgg cagcgacttc acacgggctc attaaactcc caaataacag 120  
 acttgctggt tggcttttggg gttaagtgg cctggaacca aaccggaagt atagctgagg 180  
 tatgcctata gtctaattaa cttcacgaac tgcctcggga aagaatgaat gaactggaac 240  
 ttcatgcaaa agtgtataca ggccangcac ggtggctcat gcctgtaatc ctagcacttt 300  
 gggaggccaa gnggggcaga tcacctgggg gcaggagtcc gagaccagcc tggcccacan 360  
 ggtgaaacct tgtctcttct aaaaatnaaa aaaantaact tgggcatggg gggccatgcc 420  
 tgtaatncca ctncnttggg aggnntgngc caaaaaata c 461

<210> 832  
 <211> 502  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(502)  
 <223> n = A,T,C or G

<400> 832  
 aaggcaggaa tgtcaaggcc tctgagccca agccaagcca tcgcatcccc tgtgacttgc 60  
 acggatacga ccagatggcc ggaagtaact gaagaatcac aaaagaagtg aatatgccct 120  
 gccccacctt aactgatgac attccaccac aacagaagtg taaatggcgg gtccttgccct 180  
 taagtgatga cattaccttg tgaaagtcct tttcctggct catcctggct caaaaagcac 240  
 ccnactgag caccttgnga cccccacttn taccgncag aaaanaaacc cccttggant 300  
 gaaatttttc ttacacctacc cnaatctata aaacggcccc cccttatctc ccttactga 360  
 ctttttttta ngacngggcc ccctgcccc caggnnaaaa aaaaaagcct tnttcttnaa 420  
 aaaaaataaa aaaagnnnnn nnnnnnnggg gccggggggg caatnnagtt nggatttaac 480  
 caaagngggg gggggtccaa aa 502

<210> 833  
 <211> 427  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(427)

<223> n = A,T,C or G

<400> 833

```
gagactcctt gtggagggga gccctgccc gctcacctgg atgaccatgc ctcacctctg 60
ccgatcacat gcaaataatt gtctgtttct gagacatcct cctgggtccc agcttcttct 120
cttgaagata cagatttcca gtgcaccatc agaagccgga gtaactgtga gtgggaggca 180
ttggagccgg ctgggaggta agcattcggg ccagcaggga ggaggagtcg cccatgtagc 240
agtgtctgat gacaacattc ccacactgcc ctccggacaca tcacagaccc tggtagcaca 300
ggatccctct gattcaactg aagaagagat gcanaagctt gcatgccacc aagtaactaa 360
ttcgttcttc tcttcttata tccattgagc agtgtgcagt gttggcacia tgcacagtac 420
ttgtcat 427
```

<210> 834

<211> 427

<212> DNA

<213> Homo sapiens

<400> 834

```
gaaactctct ggatggcgaa aacttctcaa agtccataac atttatctga cacctcaact 60
gtgaatttac atttcatttg catgagtcctc atgtctgcaa ctaggttgtg gtgacctga 120
gaacgagggg atcaagagcc ttgtccagca ctgggagtgg aggtggttgg aaatcccga 180
cccccggtcc accagccttg gcctcctgca gatgctaggc tcaggatgaa gtgcggccga 240
agactgctgg gaaaagaaaa gaaagagccc taatgtgcca tatcgggcaa gccgtggggt 300
ggcccactaa ctgctttttt atgattggca cttactggct ctgatttaac cccacttaaa 360
gagtgggtgg agcaattgtg gagggcctca aaggagagact gatgcaagtg agggcaaagt 420
atatata 427
```

<210> 835

<211> 426

<212> DNA

<213> Homo sapiens

<400> 835

```
aaacactcgg aaggcccagc ggggccacgc tctgccaaag agaggctgac aaggagcagt 60
gggagggagt ggtggccgca gagaggggat gaacatgttc gtgggtgcca ccacctgcct 120
ccctgcagtg gttggacttc tgtaatgtta tgcaagtcgc ccaggtcagg gtgcgtgatg 180
acgacaggag gccaggggaa caggagaagg ctgagccgtg gagcataccc atgccaatgc 240
catttccaga gctcttgggg tagcagttga ggcccatttc ctctccccc aagaacctaca 300
acactctggg ccccccaaaa acaaccccat ccactcttga aagaatgtgc agaaaagagg 360
aaggaatggc cacctgtcaa ctacattgtc acagtactgc acatgaccat caccaaagtc 420
ccgcga 426
```

<210> 836

<211> 243

<212> DNA

<213> Homo sapiens

<400> 836

```
gtgtccttac aaggaagtgt ggaagagaac agatgctaatt ttatgactcc ggatcaattt 60
gctcaaacct gcacacaggc attagaggca gaagaaggac accatttttc cccccgtttg 120
gtatatacca ttctcttggt tatgttgttt attgatatcc tgccctccgtg tcaggcttaa 180
tacaataaaa taaacaaaca acaatctcta tttttttaa taaaggaagc tttttaacca 240
ttt 243
```

<210> 837

<211> 427

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(427)  
 <223> n = A,T,C or G

<400> 837  
 accctgtccg tcagccaggt gagcaagcct gggctagtta gctgaaggat aagagaccat 60  
 gtggaggaag ccagaggagc catccatctg gggccacca aggtcagcca gcacctctaa 120  
 tcacagagcc acgagggagt tagcccagat ttagaagggtg aggatattga cttcatctct 180  
 tgatgcaagg agttgcagtt acattgcaaa gggatgcaga tacagggaag gttggagaat 240  
 tgcagccact tttgcacaat ctaccacaac tactgcattg tagctgctat gcacattaaa 300  
 taaagtaaag acatatgaaa catttatttt aanggtcctg acaacaaata agtggtcaac 360  
 aagtgtgagc tattattact gtttctaaaa tggatccctt atcatgggag aaggtcaaat 420  
 taatgcg 427

<210> 838  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<400> 838  
 tttccttaca atcctgttgg gtaccagtct ccagaaagcc actatcaatc agctaacgat 60  
 ggcattaaag agtcaactat aggatcttcc agaacaagga ctacacttca ggaagatgac 120  
 cttcaacata ggagggaaaa atgtttcata gtcaatctag taagaagttc tgccttcaaa 180  
 gcaaaagaac taccattttat tagatgtttg ccatgtgccg ggcaatgtca caaccctttt 240  
 atatctcatt taagttcata atcatcctgt gacataagca acactatgtc cccagttta 300  
 cagatgaaga aactaaggct caaaaaaac attgtgaact ttccaaaggg cactgagcta 360  
 ggaagtagtg aactcggat tcaaaccttg gatctggcct actttaaggt ccatgggtctc 420  
 aatca 426

<210> 839  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(434)  
 <223> n = A,T,C or G

<400> 839  
 atggagtttt gctctgttgc ctaggctgga gtgcggtggc aagatctcgg ctactgcaa 60  
 cctcctcttc ctggattgaa gcgattctcc tgcctcagcc tccaagtagc tgggattaca 120  
 ggcgccacc accacgccc gctaattttt tgatattttt agtagagatg ggtttcccga 180  
 tttcactgt gttggccagg ctggtcccaa actcctgacc tcaagtgatc cgccgcctc 240  
 ggccctccaa agtgctggga ttacaggcgt gagccaccaa gcacggcccc gcagcctcct 300  
 tcttgaaaga gatgtccaca ccccatctgg ccctccttn tcccttcctc attcctaaca 360  
 gctggcctcc tgcggctgct cccaggatct tctgcagagt ccggtccagc caacccacc 420  
 tacctggctc cggg 434

<210> 840  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(433)  
 <223> n = A,T,C or G

<400> 840  
 gaattgtctg gaatttntgt gnaancnnn tanancgcca acgctgcctn ctctganta 60  
 ntaactgatc nagaactcat ttatcaccaa ggggatgggtg ccaagccatt catgaggat 120

```

ntgcgcctgt gatccgaaca ccttccacta ggctccactt ccaacactgg gaatcacatt 180
tcaacatgag agttggagtt gacaaatgtc caaaccatgt ctccatccaa ccatctatac 240
agatcttgga ttcaagaagc cttatgcctc ttggctaaaa agagtttgaa aatcctgact 300
cggcccattg tgctaaggnc atcanaaaat ggattctgca gaagcagatg ctgaaatact 360
ttggtgggca gggctcaaca tctccagggg cagggcaggg cagaagcaag gagctaaaaa 420
aactggatct cac 433

```

```

<210> 841
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

```

```

<400> 841
gttcagntna aaactgnnta naacgccaac nctgcctgga tcttgactct gttgggattg 60
ttctcagagc ctgctcagtg tacttggaat tgctccttcaa agcctgctaa ctctcatcat 120
ttcagggttg atctgatatt tagaagcaac tgaaaatcat ttgaagccaa tcccagtgaa 180
ttaggtcatg taattcagct gtaaaaattt gcccctggct gcacctggca taggagtggc 240
acagagggga tcttgctgtg tcaccaggc tggagtgcag tgggtgcagtc tcgggtcacg 300
acaacctctg ccttccaagc tcaagtgtt ctctgcgtc atcctccac aggtgcatgc 360
caccaggggt tcaccatgtt gccangctg gtctcgaaact cctgcgtcag agtaatcctg 420
tactg 425

```

```

<210> 842
<211> 276
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

```

```

<400> 842
agaactgagt cccttnnchna ncnctcncnc tannccctgc ctttttgctt tgtggangag 60
cccatgtagc aaaggacagc caatagccaa cagaaagctg atgccctcag tccaacagcc 120
tgcaagaaac tgaattctgc cagcaaccat gtgagattgg aagcagattc ttccgtgcag 180
tcttggtgaga gattatgaag caaaggactc aagttgtgcc cagattcctg acccacagat 240
accgtgtgat aataaatgca tattgtctta aaccac 276

```

```

<210> 843
<211> 78
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(78)
<223> n = A,T,C or G

```

```

<400> 843
gcgtctgggg agctcctgca ttaagncnaa ctgaggnttg catcgncagc ttctatatat 60
tacggccttt ttttttgg 78

```

```

<210> 844
<211> 252
<212> DNA
<213> Homo sapiens

```



```

<220>
<221> misc_feature
<222> (1)...(252)
<223> n = A,T,C or G

<400> 844
gacgtctggg gagctcctgc attannnnag agctgnnggat tcttatantg aaaatcnccc 60
cgggcntgng tttttaaaaca aangacggaa atctttcttt ccgmnntnaa aggacacntt 120
ganagatgca gtangaagat ggaatccatg aaccacgaag tgggtcttca gcagacacca 180
catctgncaa caccttgatc ttggacttcc taagcctcca taacagtgag aaatnaacgt 240
gttttttaaa cc 252

<210> 845
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 845
ccatgttggg actacatttg gaaaggnggt ngntnattaa acaangacgn aaatttttct 60
ttccnanctn aaaggacact ttgaaagggg ctnccttctg angccaaaag nttcgccac 120
tctggaatgg agctgttacc tgnecatntn agcacantnt cncgnaaca gaaaaccaag 180
cactgcatgt tcccacttat aagtganagc tgaacgagca gaacacatgg acatatgaag 240
gggaacaaca cactctgggg cctgtgaggt gcagggagag catcaagaag aacagctaag 300
gggtgctggg cttaatacct gggatgatgg ttgatctgtg ccggcaaacc accatggcac 360
acatttacct atgtaacaaa ccttgacatt cctgcacatt gtaccccgga acttaaaaat 420
aaaag 425

<210> 846
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 846
gaagatgcc aaggctgact cacttctctc ntctctctgt gcgngcanaa aggaaaggcc 60
gggtaagatg cangccatct gcnagccaga agacangcct caacacagac tgaaccctgc 120
tggattttga nctggaantt ccgccttcca gaactgtgag agaaaaattt ttgtgttgtt 180
taagnacccc actcntatat tnngttatgg cagcctgagc cgattaatat gtacaacatt 240
ctatataaaa tatgaaacat t 261

<210> 847
<211> 203
<212> DNA
<213> Homo sapiens

<400> 847
gctgcatact gattctttaa acatgaagaa catatggcat gaggatgaag agtggacaag 60
aggtcaaagt agctgaaata tataaaatgc taaaagtgtg acaaaactga tttcaaccaa 120
gcacttgatc tcaaccaaac aaaaatgtat gcacaaaaga aatatgtcaa aataatacaa 180
tttatgctcg aaaaaaaaaa agg 203

<210> 848
<211> 124
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (124)

<223> n = A,T,C or G

<400> 848

```
ctaacggnac nggngcccag atgtgaggac aagagaaagg tggggtaagg gatagagacg 60
gggaagacaa tgagcaaacc tagggttttt tctggacatt caataaatgc ctatttgaga 120
tgct 124
```

<210> 849

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (315)

<223> n = A,T,C or G

<400> 849

```
tgggggagctc ctgngttnag ctccngctgn ggggtctatgt ggangtaatt annaatcttc 60
gagatcatcc tggattattt ggggtgggtcc taaatccaat gacaagcatc cttagaagag 120
ccatcccggg gagagacaca tggaggagaa ggccacctgc aggcagaggc agagactgag 180
gtatgcagtc acaagccaag gagcgtctgg agccagcaag aggtggagat gcaagcaagg 240
attcttctga gagccttcag aggaagcaca gccccgcca caccttgatt ttggatttct 300
agcctccaga actgc 315
```

<210> 850

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (272)

<223> n = A,T,C or G

<400> 850

```
atattctttc agatcctgca tactgaaact actgatgcca gctgggtctgn nggattctat 60
gggangntga ctcaccaatg aatgaagttt ccacatcctg atgatctcat ccccttgcca 120
caatgaatcn acagcccca ttttccagcc ccttgccctc caaaatctcc ttaaaaacc 180
cagtcocanaa ctccccggag gatatggatt tgangatncc tctcgnctct ctacttggct 240
gccctgcaat cattaaactc tttctctgct gc 272
```

<210> 851

<211> 326

<212> DNA

<213> Homo sapiens

<400> 851

```
tgagtccttg gagacaggga ccctgtcctg ctgtacatcc agagcctgac agaggccctg 60
atctgagtga gctgcccga ttgctgaatg gacagaagaa caaccctctg aatgggtggaa 120
acagctgcct ccgaggcacc agccacacgg tctggctttg gtcaatcctg cacgattccg 180
caaggcacgg tgactcacgc ctgtaatccc aacactctgg gaggccaagg aggggtggact 240
gcttcagctc aggagtttga gaccagcctg gcaatagggt gaaaccccaa ctctacaaaa 300
aataccaaat acaaaaatat atatat 326
```

<210> 852

<211> 340

<212> DNA

<213> Homo sapiens

<400> 852

```
agacgggggtt tcaccatatt gggttaagctg gtctgaagct cctgacctca aatgatccgc 60
ctcgggcctcc caaagtgcctg gaattacagg cttgagccac catgcccagc caaccctata 120
gctttgcttg ttcacccctgg gaaggaactg tgcaagttgg cgcttcgggc ttggtataaa 180
aacggctcct gaattcctgc ccagttgtaa tttccttggg gattttgaga ggggctcttc 240
aacgttgcca ggctatcacg gcccttttgt ttgcaagaga gcagtgagta aattatatct 300
tgggcttagc aaagcaaaaa ataaacacga tgacagtagg 340
```

<210> 853

<211> 264

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (264)

<223> n = A,T,C or G

<400> 853

```
gtcccagcta cttgggagtt tgaggcaaga ggattgctta agcccagaag ttggagcttc 60
agtgaactat gaacagccac tgcattccag cctaggtgac agangctata actgaagaag 120
tgggagaagg aggaaaaaga aggggaagag aaaaacagca agaacaaaat gaacaagaac 180
aggaagaaag aaagaaaaaa ttaatttaat atttttccct tggaaaataa aagctaaatt 240
ccaagaatat atcatttga tcat 264
```

<210> 854

<211> 208

<212> DNA

<213> Homo sapiens

<400> 854

```
acaaagatat ttctggcaag acgtggagag aaagagtccc ttcaatgaaa aaatgcaaga 60
ctgttctgac tgctttttca ggtaaacttc ctgttggacc tagttggctt gttaagtga 120
ggacaaaacc agaaggtgtt ctacatataa ggctcactct gaagtttcag gctgctggac 180
tggttgcttc attacatgta ctttgctc 208
```

<210> 855

<211> 221

<212> DNA

<213> Homo sapiens

<400> 855

```
gtctccagga agtggtttgct gaatgaatga aaagactaga taacgctgca agtatccaag 60
acagtagatg attggctggg aaagcagaag cggctgcctg gaaattccct tctcccatga 120
tttgcaaaat tttgcttttg tatatttttc taagaaataa tctatagctt ttattatgta 180
ttccagggaa ttgataaacc cctcaacaag ttaagaacca t 221
```

<210> 856

<211> 142

<212> DNA

<213> Homo sapiens

<400> 856

```
ctctgccatg tgagaagaca cgtagaatgt ggctgtctgt agccagaaag agagacttat 60
cgagaactaa attggctggc acctattct tggacttccc agccttcaga tctgtgagaa 120
ataaacatct gttgttgaag tc 142
```

<210> 857

<211> 440

<212> DNA

<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 857
cnnngcacan aacatgtcnt ccaagttagg catcatcgtc gcctgctctt ggtgaagttt 60
tcttttgcgt actgcggaga gatgcgctca ttaccagctg gcggtggagt cgctgaaacg 120
caaatggatt tgagactgag cgactcccat ctctatgggt ggtatgtgac ccatctatcc 180
tctggaggac tcagcaagga ctaccagtca ccagacaact ttacgcgcac gtggtcgcaa 240
ggtgaacttg ctattggtta atggcagtaa agcccgccca tcagcgctgg tctgctcctt 300
taaaagaacg ccatacgacgc tcccctgtct ttcagcgctt gcaggttccg ggaggnacgc 360
ttccaacccg aaggacgtcg ggatgtcatc gtccttgctg ctttgccacc ccattcccgt 420
caataaagtg gtttgaacct 440

<210> 858
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 858
gacgtctggg gagctcctgc attaagatng agntgcggct tgtnggnagc ncaactggga 60
aacctcggga aacttacaat catggcagaa gatgaaggaa aaccaagcac ctcttaccat 120
ggcagaggag gaaagaaaga aagcgaaggg ggagctgcca cacactttta aaaccatcat 180
atctcatgan anctcnttct ttatcacaag aagagcaggg gggaaatctg cctccatgat 240
ccaaccacnt cccaccaagc ctttttccca acntgggggg atnccaattc gacntgaaat 300
tngggggggg ncccanngcc aaccncttct ncantccatn gngggngata gntgntncag 360
tanctgtagt aaacttgcaa natattaact gtcattgnct tgncnaaagg gggctcatte 420
caaannatta ttttgcncca tnggggggacc cacacagcca 460

<210> 859
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

<400> 859
agatngagct gaggcttgca ggnnangctg gtgaggaact cctcctgggc tcaagagatc 60
cagctgcctc gacctcccaa agtgctggga ctacagacat gcaccaccac acctggcctt 120
ttatcctctt tttagcaaat gcatttaggg tttgtattta cctgtaagaa caggtttacc 180
tgaatttcgc atagtttgat agggcaatcc ttgcattggt ctacgttctt aaaatttcaa 240
aatttccatt ttgaaangtt ccctccttat ttttggattt taagcatctt taaaaatctt 300
tacacaggca aaaaaaaaaa gggccggnnn ggccaattna nnttggactt aaccaggggt 360
gaattttttt taaaaa 375

<210> 860
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(474)
<223> n = A,T,C or G

```

```

<400> 860
gggttaaactc ccaaatgaag cagcaaacaa aaaacaaacc agtggctgag aggtctccag 60
gggctgttcc cctctttggg gaacctgtag ggagtgtga ggcggcatgg ttctgagtca 120
caggggacct gaggacacag ggatggggca tgttggtcca gaactccctc cagcagctgc 180
gtgctcaagc ccttgtgtgc tggtagagg ttggctgagg aaaggcagcg ttcaagggtga 240
aggtgacaga aggcccaggt caggctggat gaagacaggg cccaggacgg gcttcacacg 300
tgaagctcgt ggccccctt cctcctgctt ccaccatccc gtcttggggc gttcttcttc 360
caacgtcttg acttcctggg gaatttntng ggcatntttt tccnttncaa gtacccccct 420
tcctgccttc aatgtccaca agtgggtgca gtgaatggac acttgtccaa acaa 474

```

```

<210> 861
<211> 341
<212> DNA
<213> Homo sapiens

```

```

<400> 861
atggagcctc gttttgctgc ctaggccgga gtgcagtggc acaatctcgg ctactgcaa 60
cgcccgccctc caggggttcaa gtgattctcc tgcctcagcc tcccaaatag ctgggactac 120
aggcacgcac taccttgtcc agctaatttt tgtattttta gtagagacgg ggtttcacca 180
tggtggtcag gctggctctg aattcccgac ctcgatgatcc agatgcctcg gctccccaag 240
gtgctgggat tacaggcgtg agccactgtg cccggactga aactgacttt gaacttctgt 300
cttcagaatt gtatgcgaat aaatgtgtgt tcttttaagc c 341

```

```

<210> 862
<211> 197
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(197)
<223> n = A,T,C or G

```

```

<400> 862
tacnaactgn ggtgggaagc caatgcccc gangtttgtg ggcagccac ctttgcaccc 60
gtgangcacc agtggggaat gacagtcaag aagaaaccnc ggganaatnc nacccttgg 120
nccancagca ccacccccctt gctttccgga actcagaagt ggtggagaaa aaaaataaac 180
ctcctttttt gtttatt 197

```

```

<210> 863
<211> 335
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(335)
<223> n = A,T,C or G

```

```

<400> 863
cattttgggg gggccaccgc caaccaaagt gcgtnatgca cgtcgaataa agtgtgtggg 60
aagttccacc gcttgtggaa ccgccatgca agttcgtgta ctggatccct tgggggaacc 120
aaacgaagtt cacaagcttg aacaagttgt ttcggcgaat ggctttgaac tggggcttgg 180
gtgctccatc attgtcctgc tgggccaaca accgtcgctt tgaccttgtt cgactttntg 240
ttaccacctt gcttnaaaat gccaaaagcc aggaaccggg aanggatgga aatcatttaa 300
aaaatgggnc ccctgaaaaa aaaaggccga ccggg 335

```

```

<210> 864
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc\_feature  
 <222> (1)...(451)  
 <223> n = A,T,C or G

<400> 864  
 gcaaattgcgt aatggatgtc aaaatccaga aataaggcag caagtattgc acagaatgtc 60  
 tgcattgact ttgcaaagac cagaccctct gggttctccc tggaacaaag atgcacaaaa 120  
 ggctggagca gccaaatggg ccaacccttg gagggccttt tttcttctgt gttaaaaagt 180  
 tgcatttcat gcagaccag cctattcccc caaccctca atcttctccc tccctcctac 240  
 ccacaagcac acatacaaca gaaggagcgc ctctacacc tcaccagctg cctacactca 300  
 ttcacctgcc gctggctggg ttccggcactt gttttccaaa ccagtcaaag aactcacagc 360  
 cccaggactt aaaaagggtt ttattgggtc catanaggct taaatttggg ggctcctaaa 420  
 gggatcacca tgggataaat aaaaatatac a 451

<210> 865  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(479)  
 <223> n = A,T,C or G

<400> 865  
 actgagggggc attcagataa gccatcatat cccctgtgac ctgcacgtac acatccagat 60  
 ggccgggttcc tgccttaact gatgacattt caccacaaaa gaagtgaata tggcctgttc 120  
 ctgccttaac tgatgacatg gtcttgtgaa attccttctc ctggctcatc ctggctcaaa 180  
 agctccccct ctgagcaccg tgtgaccccc actctgcccg ccagagaaca accccccttt 240  
 gactgtaatt ttcctttacc taccggaatc ctataaaaacg gccccacccc tatctccctt 300  
 tgctgactct ctttttcggac tcagcccacc tgcattncagg tgaaataaac agctttattt 360  
 gctnctaaan cttgtnttgn nnacanttnn natnccnctn tgnttntttt gnnacnaata 420  
 ttgatngaatt tnanaannan ngggggggggg cgggggggggg ntntnttttt tttttttat 479

<210> 866  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(160)  
 <223> n = A,T,C or G

<400> 866  
 ggcattgtggc attctagacg taacaagcat tatgatttgt ttgaaagaac tgntaaacag 60  
 tgtccagaat taagcacatt tcctccattt tctcaaaaaga gtttcctgga gaagtcagaa 120  
 gaaataatac aatttcctat taaatgcaac atataaccac 160

<210> 867  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(447)  
 <223> n = A,T,C or G

<400> 867  
 gtgcacacaa tgaaggaagg ccatggccca cananagaan atgntnaggc caggcntggg 60  
 ggctcacacc tgtaatccca gcactttggg atgccgaggc agctggatca cttgtgggtca 120  
 agagttcaag accanattgg gcgacatgat gaaaccccgct ctctactaca aatacgaaaa 180

ttaagccatt	gtggtggcac	acgcctgtna	tcccagctac	tcaangaggc	tgatgtggga	240
gaactgaacc	ctggaggtgg	agattgcagt	gagccaagat	ggcgctactg	tgctccagcc	300
tgggcaacaa	agcaacacta	tgtttttaaat	aaataaataa	agtgccttga	atttcaaaaa	360
atacaatgcc	tannnttaaaa	taccatatat	tatatattca	tatggctata	atgattcccc	420
acctgtttat	ctgtcctaac	gcaaatg				447

<210> 868

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (335)

<223> n = A,T,C or G

<400> 868

ttataagttc	cttgnnnnga	caaaagtggg	ttaacacttc	tgtctatcta	aagatgtcta	60
cttcaaatnc	tgggcacaag	agtgattgac	agcaatttga	ttgattagag	aggtttcttt	120
aagaagagct	tttactctga	ataaaatatt	cctgtgagga	agatgctgac	tggccatcca	180
gggtctgcaga	agacaagacc	agaggaaatg	gatttttgaac	atgttcccag	agatctttta	240
aaaaattacc	tgcaaaggag	tttaancccc	ggantancng	aacaaagaaa	gctgaggggc	300
tctcctgaag	tgaatgtttt	aaaaatagac	agtct			335

<210> 869

<211> 320

<212> DNA

<213> Homo sapiens

<400> 869

gaaaggcaaa	gggaacctcc	aggatgatgc	tgaagacaga	gccactatg	acagctgtgc	60
aactatccca	gagcgcagac	atggggcaga	gtgaaaagat	aacacagaac	tgggaagcag	120
gcaggaaaca	gcagaagaga	agaaaagtga	gatgaagaaa	aaaatatgaa	cgaaggcaat	180
gaagtaaggg	gaagatggag	acaactttta	gggctttttac	tataggttca	ctgtttctaa	240
tataaccatc	agaatcttct	gtcacaaaag	gttacatgtt	gatggaaaga	atacaggaaa	300
ataaatgaga	tctaatttac					320

<210> 870

<211> 795

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (795)

<223> n = A,T,C or G

<400> 870

acatagggag	tgtatntccc	cntcccccaag	nggaanggca	ttggaccttg	gacttgganc	60
catgcatggc	gccctaccct	caatgggaac	gagggccgct	gtcgacnaga	acttcagtgc	120
actctaagaa	cgtcggccca	aggacctatt	cgcatgggac	taggcagcta	ggacacatat	180
ggaattaaat	ccaacgcagg	acaccttagt	gagtacacgt	ctaggtgtcc	aagggcaaaa	240
aacgatggcc	acgtacatgc	acgaacacga	aaacatgtta	tagtaggtaa	tcgtatatgt	300
acaaccacaa	acactcacta	gtatatccgt	agacgagncg	aaantggnaa	aagttcaacg	360
agtgcgcata	gcaatggcgc	agcaccaaga	gcatatatatt	taagagtgnc	ctttgtctca	420
ccataattaa	nggggtgtnc	aangttggnt	ttttccntaa	antaatnaaa	anaccaattn	480
cngggaanat	tnctttttccn	tggnncnacc	aataaaaaang	gggcatnacc	ccttggttnt	540
ggcattttggg	tagaaaangga	aaatgacccc	gcggaaacat	attttaataa	ttggaaagga	600
ancctctttg	tttgtgnncc	ctnaaaaaaaa	catttttngna	tttttttttt	ttntggggcc	660
cggcgcgtgg	ggnggggnca	aaattngnna	ttttcccnng	gggttttttt	taacncccc	720
gggggttttcc	gaaacntttt	tgggggtcccc	aaaaaaaangg	ggggggggggc	ccccccccc	780
cccccccttt	tttgg					795

<210> 871  
 <211> 264  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (264)  
 <223> n = A,T,C or G

```
<400> 871
gctcatgaat ctctgtgatg ctcangagct caancgttct gttgntggca ncttttcctc 60
ncttggtgcc acgttaaagc ggatttggan tttatctggc ttgctgattg cntaccatct 120
ccccaggag ttcaaattcc cacagtntac caacacaact gatgctggaa gctaaacttg 180
ctacaganaa ctgagagaac caaacaattt tcctttacct gttctcacga tacttgaaan 240
taaattgtcta catggaagga aagc                                     264
```

<210> 872  
 <211> 566  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (566)  
 <223> n = A,T,C or G

```
<400> 872
caactcagag gagttaatgc ccatgaggaa agcagctttg tcagcatctg gtcacagaa 60
atagaagaaa aggaaggaga gaggaaaaca ctgttaagat tcattccatt atagccaaac 120
taactncccc aaagnncaaa agaannnggg gttacctnna cggaacnaaa naaantggng 180
ntttcaanaa aatgccngaa tcctaaaagt tttaaaggaaa ttatttcttc gaaatacaag 240
tcaaagccac attgaaatct cactccttca gtttgntggc nttaaggaaa aagaaaatat 300
natgccccctc nccgccccnt tnatggncnt tattcaaccg gcgcacatta ccaggngttg 360
acaaggatgg ggaaaaaatgn gaaccctcat gcnttggggg gtgggaatgc aaaatggng 420
tgtntttgcc ggganaacag tttgacagtt actctgaagt taatcataga gtactatgga 480
acccaccatt tcacttttag gtcccnccca anataatgaa aacatttgtt cncccaaaaa 540
ttggnncnaa tgtttctagc accttt                                     566
```

<210> 873  
 <211> 90  
 <212> DNA  
 <213> Homo sapiens

```
<400> 873
agaacaaatg atgaatggag gaggccactg gtttacacgg aaagggtaaa ggacaacgac 60
tatccagatt tttcttccaa ctttactttt                                     90
```

<210> 874  
 <211> 550  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (550)  
 <223> n = A,T,C or G

```
<400> 874
aggatcctct attaaatgtg tgggtccatga accagcagct tcagcatgac ctgagagctc 60
ataacctcgt ctctacaaaa aatacaaaaa aagttagcca ggcattggtg tacacgccta 120
tgggtctcagc aacttgggag gctgagatgt gcctgctttc ctttcacctt ccaccatgat 180
tgtaagtttc ctgaggcctc cccagccatg cttcctgtat agcctgtggt acggccaagt 240
```



```

ctcgccacat ggcattcattt cctcctcacc tgcagaatcg ctgtgactta tggctcctct 300
gattgcacct gcttnnacca acanccctng aaaaaaantc ttttttgtgg ggataaaaag 360
tnagananan ctngggttnca tnacttggtt aaaatnggac cctctcaa at gaatgtaagc 420
acataatggg gggactacac tatgagatta aaaggaatcc agctgttacc aaaaatgggt 480
gcctgccagg tttatccacc aaattccttc cacttcattgt cattaaaaat aaaatttgag 540
ttttaaaatg
550

```

```

<210> 875
<211> 400
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

```

```

<400> 875
tggcaaaaaat tcccttaaag aaaaggcccc gggaagngga agccttgtgg aagcccccttg 60
ggaatgggttg gcttggcatt ggcccaaacc aatggaaggg aaaaattccc gggaccacca 120
ccaaagagga aggaacattc caaggggggg ccaccaaggg ttgccgccaa agaatggaaa 180
ccaaaggcca ccattggaaa gaaaaggggc caggcaaagg aagggggaaa agccccattc 240
ttgncaaagc cccaagaaaag aaggaaggaa aagggttca agaaaagaaa aggtttaaaag 300
gttcttggcc cagccantct ttgaaccctt tnggancttt cccaagnctt tttcaagaac 360
cttggtgnag aaaaaataaa anttttcttg gcttgggttt
400

```

```

<210> 876
<211> 578
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

```

```

<400> 876
ggccatcaag ctcagatggt cttacaaatg gcaccccaaa tgagctcaac tcacaacttc 60
tactgaggac ccctgggacc acccactggc cctttgactg gcctagagaa ttcacctcca 120
gaggacacta caactgcagg gcccttctt cgccctatc cagcaagaag taactagagc 180
ggtcatcacc caattcccaa cagcagctgg ggtgtcctgt ttagacgggg gtggggggag 240
attgngaggt gaagccagct ggacttcctg ggttgactgc agacttggag aacttttctg 300
tcttaccaaa ggattgnnaa atggcccatn cncctttttg taaaaaccca ccaatcanng 360
ctttgtantc agcaagaana ttntaaaatg ccccaaccag cncntgttaa aatgcnccaa 420
tcagcgctnt ttaaaatgcn ccaatcancg ttttgtaaaa tgcnccaatt ancanggatc 480
ctaaaagtgg ccattcncag ggagaactga aaaaaggccc tcggttagga aagaaacana 540
cgggggggang gggccaataa ggggataaaa gctggcct
578

```

```

<210> 877
<211> 408
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(408)
<223> n = A,T,C or G

```

```

<400> 877
gaggaagagg canagnacga cggctcaatn aaaccncca ctnntngtnn ngganagnn 60
nacttntctt tgggtctnann gcnttcang cttgaaccac catgaangcn gaaattccat 120
ccanttacc tggaagtggg aaaccgacaa cctgcatggc attttttgaa gctagacatg 180
taaagcctnt ttaaaagtgc tgtttcttg gctcacgcct gtgacccag cactttggga 240

```

```

gggtcaaggca ggcagatcat gaggtcagga gattgagacc atcctggcta gcacggngaa 300
accctgtctc tgctgaaaat tcaaaaaatt aaccgggtgt ggtngtgggc ccctgtaaaa 360
aaacttctcg ggaaggctga ggcaggaaaa tggcgtggaa ccttgga 408

```

<210> 878

<211> 186

<212> DNA

<213> Homo sapiens

<400> 878

```

catcatgcaa actgggaaga ggaccctcac caggaaccac atctgccagc accttgatct 60
tgaacttctc agcctccaga acggtgtcaa tggacgtgga cgtgtccccg gattaagcat 120
gaccttggcc ctcttggtg gacgtggagg cttcagaaag attcattaaa ctactttcca 180
aagctt 186

```

<210> 879

<211> 274

<212> DNA

<213> Homo sapiens

<400> 879

```

agaaacaagc atcaaccctc tcaccacggc acatctgcct ctgacttcta agcgctagac 60
caacctatgg atcctgtcat ccacctccac atcctgcatg ggaatccaag aacccttcat 120
catctacctc agtctccagt gggccagcaa aaccaccaag ctctttctat tgccacagct 180
ttgtcatgtg cctttctact cattctgtct ttagataatc acgtgatgta ataacatcac 240
tgctatgtct actaaaaaga aatctgagaa actg 274

```

<210> 880

<211> 319

<212> DNA

<213> Homo sapiens

<400> 880

```

gagcaccatg caaagtgcgg agatgcagag aggaaagact actcggtcct tgttccttgc 60
tgtcccagag gtcacagtgc tgtggggagg gggacaagga cataccctgt caggctgcgt 120
atataaatac acagggtgcta agcaaaatgg gaacggagaa gggaaagggt ccctccacct 180
tgagagaccc acagaagggg gttctagaga tggatgagtc agactgcaag agagcaaaga 240
tatcttcctg aatacattca atatcaaagc atcatgtgcc ctgtgtgtgc aaaataataa 300
taatcataat aataaaagt 319

```

<210> 881

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(433)

<223> n = A,T,C or G

<400> 881

```

aacttaagcc aaaccattct gtcattctgga aaaacaaaaa atagaagctt gggccagatc 60
atctgtaaga tttcttccca agcacaacat cagatccaat gactgtcaac tgagtgtgtg 120
ccaatgactt atttgaaggt tggacaaaac cacataatca ccagattccc cacattcaga 180
taagcctcaa tgaagaccgt ataacacccc ctgaagaaca gctgccatct ctgcaggatt 240
ctgtgagaag agggaaagtga tccggacctc ttggctgggg ccacactggg tttatctgta 300
tctgtcctg aatcttcagc ctgctacaat ctgttcacac ctgggtatct acagtcttga 360
catcctacca cttgctgtct aaggctctta acttgagctg gaaagtaaat aaattgngct 420
ttcattttcc cct 433

```

<210> 882

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(454)

<223> n = A,T,C or G

<400> 882

gatcgaggcc	atcaagctac	agatggtctt	acaaatggca	ccccaaatga	gctcaactca	60
caacttctac	tgaggacccc	tggaaccaacc	cactggccct	ttgactggcc	tagagaattc	120
acctccagag	gacactacaa	ctgcagggcc	ccttcttcgc	ccctatncag	caagaagtaa	180
ctatgagcgg	tcatcaccca	attcccaaca	gcagctgggg	tgctctgttt	agacgggggt	240
agggggagat	tgagaggtga	agccagctgg	acttcctggg	ttgactgcag	acttggagaa	300
cttttctgtc	ttaccagagg	attgttnaat	gcaccaatca	ncactctgtg	taaanacacc	360
antcagtgct	tcttgtagnt	ngcaagaaga	tttntaaaat	gcacccacca	gcacttttgt	420
aaaatgcacc	aatcaggcgc	tttataaaaa	tgcc			454

<210> 883

<211> 175

<212> DNA

<213> Homo sapiens

<400> 883

atgagaagca	gggattccca	gcaaaggaga	accatgagtc	acagggagaa	gtctggccgg	60
aagctgctga	cacacattct	cacaggacta	tggaacttc	cggaagctgc	ctgtatgcct	120
tgtcttggtg	ccccttcctc	cctcttcagt	gccagcaaca	ttgcatttac	ctgac	175

<210> 884

<211> 377

<212> DNA

<213> Homo sapiens

<400> 884

gaaaagcctt	gaaaattttt	ggagtacata	tagtaagaat	gcacttcact	gcagcaaaaa	60
tggagtttca	ctcttgttgc	ccaggctaga	gtacaatgga	gtgatctcag	atcaccacaa	120
cctctgcctc	ccagggtcaa	gctattctcc	tacctcagcc	tcccaagtag	ctgggattac	180
aggcatgtgc	caccacaccc	agctaatttt	ctattttttg	tagagacggg	gtttctccat	240
gttggtcagg	ctggtcctga	actccagacc	tcagggtgatc	cacccgcctc	ggcctcccaa	300
agtgtgagg	ttacaggtgt	aagccaccgc	acctggctta	aaagtaaatt	ttaaaaataa	360
acagtttata	aattaag					377

<210> 885

<211> 260

<212> DNA

<213> Homo sapiens

<400> 885

tagatgcaat	ccatggaaca	ctccacgtgg	acttggtctg	ttctccgcat	tcattggacaa	60
ttaattttcca	gctataatcc	agtttccccc	caaacactga	gttgccctccc	aacgctgtcg	120
accacttgct	ggaacaattg	tccccctttt	gcatgggaaa	gcaagatatc	atgacacttt	180
gttctgatgt	gcaaaaacatg	cctgggtttt	agaccctggc	catttccatt	gtcagtcttt	240
aattaaatca	gtgggttttct					260

<210> 886

<211> 435

<212> DNA

<213> Homo sapiens

<400> 886

gcaatccagg	tgacaatacg	gaagtttcag	gaactccatc	atatccagca	tgtcaggatc	60
tcacatgaac	gaatggcata	ttccactcca	tgtgagaaa	gctgtgatgc	catcatggaa	120
aagatctagc	tttgaaaagg	agaaagaagg	aacatcagcc	ttaacacttg	ggagtaatgt	180
gacctggggg	tgccgagtg	cttactgaac	aatagctctg	actgggtgaa	ttcatcaacc	240

caagtttgtg	tatttagata	tcatctatgt	atctccgaat	ctgctcctca	acacacagct	300
agctgtcata	atacataatc	aactagtatt	tctcaacaag	caaattagta	gactgtcaaa	360
gggattgctt	aaccatatgc	ttctctcatt	actacataat	cccagaaaat	aaaagtaaca	420
tttgtttaga	atgac					435

<210> 887  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(437)  
 <223> n = A,T,C or G

<400> 887						
gggcattcag	ataagccatc	atatcccctg	tgacctgcac	gtacacatcc	agatggccgg	60
ttcctgcctt	aactgatgac	atttcaccac	aaaagaagtg	aaaatggcct	gttcctgcct	120
taactgatga	catggtcttg	tgaaattcct	tctcctggct	catcctggct	caaaagctcc	180
cctactgagc	accctgtgac	cccactctg	cccgccagag	aacaaccccc	ctttgactgt	240
aattttcctt	tacctaccgg	aatcctataa	aacggcccca	cccctatctc	cctttgctga	300
ctctcttttc	ggactcagcc	cacctgcac	caggtgaaat	aaacagcttt	attgctcana	360
aaaaaaaggc	cagngaggcc	aattcagctt	ggacttaacc	aggctgaact	tgctcaaaag	420
gnggggcccc	ccccccc					437

<210> 888  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<400> 888						
atggagtctc	gctctgtcgc	ccaggctgga	atgcagtgg	gcgatctccg	gttcattgcca	60
ttctcctgcc	tcagcctccc	gagtacctgg	gattacaggc	gcccaccacc	atgcccggt	120
aattttttgt	atttttttag	tagagacggg	gtttcaccgt	gttagccagg	atgggtctcaa	180
tctcctgacc	ttgtgatccg	cccgcctggg	cctcccaaag	tgctgggatt	acagacgtga	240
gccaccgcgc	ccggccccc	cattcttttt	tgtttgggat	aaaccctctt	caggctgtta	300
atcaatatag	ataaaaagtat	actgttct				328

<210> 889  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(450)  
 <223> n = A,T,C or G

<400> 889						
ctcaggccag	taattttgac	agaggtttgt	cctgtattgt	ggccagggag	cagcccagaa	60
aaacttgctg	cactaggccc	agtggggtgt	gctccatcag	acagaatgtg	tgtgtcacga	120
gccttctaag	aatcaggagg	aggggaagtca	ttcataaagg	aggcagatgc	tgaaatgcaa	180
ctttggcttc	ctcttccaag	tccttcaact	ataggaatgt	ggccctttct	tattcacaga	240
ggggctggat	ttctctttac	aacctgagta	ccagaagctc	cctacctttc	caagtcagaa	300
cagaacagga	aagtggctaa	ttcgaccttt	gcattotcca	cactggggga	gatcacaggc	360
caggctgcac	acctctcaaa	acccaacctc	angacagacg	tctacaggga	atgctaagac	420
tttcgaaagc	aggagaaaga	tatgtccaga				450

<210> 890  
 <211> 245  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(245)  
 <223> n = A,T,C or G

<400> 890  
 atcacacaaa gaagaagtca tgtgaacaca cagcaagaat gtggcagcct acaagtcaag 60  
 agaagaggcc ccagagtcta ccttgcaggc accatgatct tggatcttcc agtcttcaga 120  
 actgtgagat gtacatttct gttgtttaag cattcagctt ttggtatgtt tttatggcag 180  
 cctcggcaga ataagacact nattcatcta ngatatccat atacagttga cccttaaaca 240  
 gcatg 245

<210> 891  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(440)  
 <223> n = A,T,C or G

<400> 891  
 agcttttgtt tcagctcacc ttatgaagct gtttcccaag aggatgaccc ggggtgcctgc 60  
 ctggctaagt aacaagcaaa catttcggag cctaagtttg ggaaagagcc tgaaggcccc 120  
 tacaccctga agcaacattc caagccttgc tgctcacaat gcggtcccgg gaccagcggc 180  
 agcagcagca gccccaggacg cttgttagaa atgcggcacc tccggcccca cttcagacgt 240  
 tctgaaccca aatctgcatt ttatcacgat cccagggtgat tcatgtgccc gttagagtga 300  
 gcgaagccct ggattagaga acagaaatta gacgtgaccc tttctttgac aggaatttat 360  
 caccaggctc tatctcaaga actgngagaa ttcggntcaa natgtttgtg ataacttttg 420  
 agcagtactg actagcgtgg 440

<210> 892  
 <211> 334  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(334)  
 <223> n = A,T,C or G

<400> 892  
 caaaaannn actgcagatg acagccctat cgctcctncc actaccancc cattgnatgt 60  
 acctggnttc cccatccaag ccaaagagcc ctcttctgtg cctggactaa gaaacagaat 120  
 gaaaaaacca cacagaaaat cataagctgg ggaccaaagg cagtcaaccg tttctgcata 180  
 tgcctcaaaa tgtgactcaa tctagaggtt tccagtttca cctgagctgt taaatttaca 240  
 ggaagatctt caatgatctt cggaaaagac agaagagcaa gaaaatctga aaaggatatt 300  
 aataaaaaatt aagctcaaa gggaaaaaat agtt 334

<210> 893  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(352)  
 <223> n = A,T,C or G

<400> 893  
 atggagtctc actgtgtcgc ccaggctgga gtgcagtgcc atgatctcgg ctactgcaa 60  
 ccgccacntc ctgagttcaa gcgattcttc tgcctcagcc tcccagagcag ctgggactac 120

aggcgcgcca	ccacaccagg	ctaatttttg	tagttttcgt	agagaggggt	gtcaccatat	180
tggccaggct	ggtctcgaac	tcctgatgtc	gtgatctgcc	cgcctcggcc	tcccaaagtg	240
ctgggattac	aggtgcagcc	accgtgtctg	gctgctccat	tgtaatctta	cgggaccacc	300
atgtatatgc	aatccttggn	tgactgaaat	ggncntaang	gggggattga	at	352

<210> 894  
 <211> 525  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(525)  
 <223> n = A,T,C or G

<400> 894						
gcccagtcca	caagggcaag	gcttgcaaga	gaggaaggag	gaatcgcgga	gcagcaaacc	60
aaagccaggc	ctgtgtcttg	agagggcttc	tcaccaaggg	aagcttccag	ggccttctcc	120
aaagcaccat	attcaagcac	tggatgctgc	ttggacatat	caattgaggt	cccagagaaa	180
tcagtatggg	gagaagaagg	acttggaatc	acacaaacat	gggtccgaac	cctgcttgcc	240
cttcccagct	gggtaaactc	cagggctctca	ctctgttgcc	caggctggag	tacagtgggtg	300
caatcatggg	tactgcagc	ttcaactcct	gggatcaagc	aatcttcctg	cctcaacctc	360
cccaatagct	gggactcctg	aatagacaag	gggtcccacta	tgttgnccaa	gctgntctcg	420
aaattttggc	tcaanaaatc	ctccttgctt	ggnctcccaa	agngctgggg	taacaggcgt	480
gagcncctt	gnccaaccta	ttatagtctt	attcttacat	aaata		525

<210> 895  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<400> 895						
ttgaatccag	gcatgtggaa	cccttgkata	tggaaaggcca	atgatatttt	gcatctatga	60
tcttattgaa	acctattttac	caagtcacga	ggaaaaaaga	gctgaaggac	aatgatgtct	120
gacaagggga	cagtcagaac	ctgcatactt	tgaatgcaat	accagggcac	tagtgccaag	180
agttacaaaa	gaagaagagc	cttttaactt	tggcgggagt	gcagaaggga	ggacaaaaat	240
tgtaatttga	acacattatt	gagtaagatc	atataatgga	aaaggaggaa	actgggttta	300
agagatgaaa	taaaggtaga	ggttaattag	aactaccaac	ataaatatat	gcccttttaa	360
aagaag						366

<210> 896  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<400> 896						
gcagctcact	atgaggctat	cacaaatcaa	tggaaagcaca	tttggtgaag	agtacaggcc	60
catcagagga	taccactgaa	tccatgctcc	acagcagttc	ccagcaagct	gcactcttcg	120
aaggcgggat	gctgaaacct	ctgccccac	cccctacatt	agctttatat	ccaaatgtga	180
ctcggaggct	ggtgagctca	aggtgatcaa	tgacagctcc	aatcaaagcc	accagtaga	240
cagtgcactc	accactcctt	gatataaaaag	gtgttttatt	tctcatcctt	ttatttttgt	300
cactgaaaga	atgcttccca	tgtgtggatt	aattaaagtg	taaacattaa	atattgattg	360
atgcattatc	agcatgg					377

<210> 897  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<400> 897						
actatcctaa	acatcctgcc	attaattagc	tgaacagccc	atctagtaaa	caagaccgat	60
ggttgagggg	ctggaaaaga	ggaggagtca	gcaagttgaa	agtcacaaca	gaccagccca	120
ctccctcaga	taaaagaaag	gcacatcaca	gttgtcacat	cagcaggcta	gaaaagccat	180

```

ccattcctg  cggcaggcat  tctgtcaaag  aaaaagaaat  ctgcaatgaa  ttatcacatg  240
aagtcaaaaca  aggaaaggag  gcaaaaagca  agcagagccc  tcttcctgtt  ttgtagactc  300
tgctggctac  aatctaatag  aatgcttaat  ctgaatatTT  ctggtggcaa  aactatagca  360
accattctgt  ctattaaaaa  gtcagtgtgg  tt                                     392

```

<210> 898

<211> 397

<212> DNA

<213> Homo sapiens

<400> 898

```

tgaaacacat  atccaagaaa  aggtagtctg  caggaaaact  ggaggaagac  ttatgcttag  60
agtccttgct  ctgcaaaact  ctacaggaac  cagtgtggac  ttggaggcct  tagcaacta  120
tcacaggaac  agaaaaccaa  ataccgcatg  ttctcactta  taactgggag  ctaaatacatg  180
agagcacaag  gacacccaga  gaacaacata  cactggggcc  ttctggagcg  gggagagcat  240
caggaaaaat  aactaatgta  ctaggctaaa  cacctggatg  atgaaataat  ctgtacaacg  300
aatccctagg  atgcaagttt  acctatgtaa  caaacctgca  catggacccc  tgacttaaaa  360
gttaaaaaaa  atgagtgatt  aaaaacatta  aaaaatg                                     397

```

<210> 899

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (310)

<223> n = A,T,C or G

<400> 899

```

atTTTaccCa  aatatgtggc  nagttaagac  aganaaaaga  aagatgtgag  gtctcagaga  60
tcttccaatg  ggacctacca  ctatgggtca  agtcatctga  catctacaga  aaacctacat  120
tgcttctttt  aacatacaaa  tataaacaaa  cgtacaattt  aggtaggggc  ctcccacaaa  180
ataatcacct  gatcagaatt  atatattaag  ttatgcttaa  tatattatta  tacattaaat  240
atatgattta  aaacaaaaaa  aaaanggccA  gngnggccaa  ttcagctnng  acttaaccag  300
gctgaacttg                                     310

```

<210> 900

<211> 315

<212> DNA

<213> Homo sapiens

<400> 900

```

gcatggttat  gaagctggga  acacagcagc  aaacatgagc  cgatgaagtc  tctgggtctaa  60
aaaaaacctg  cactgtagtg  ataaaattaa  gtccaacctt  aaaaagagtt  tcaaaattta  120
agaatgagga  ggaagagggg  cacctcacgt  aacaggaagc  agctacgaca  gcaaagagga  180
acagatactg  ccaaataagg  gttcatactc  atacccccac  aaaggaaatc  tcttaattgg  240
agacatcatg  agatctgggc  cattttccca  tctcattgaa  aaatcaatgt  ttaaataaac  300
acacttttta  tctag                                     315

```

<210> 901

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (343)

<223> n = A,T,C or G

<400> 901

```

TTTTTTTcta  gngttcaaag  gccggcggat  catgaggtca  ggagttcgag  accagcctga  60
cAACaAcgtt  gaaaccccg  cttcactaaa  aatacaaaaa  ttagcctggc  atggtggcgc  120

```

```
gcacctgtaa tcccatctac tcaggcggct gaggcagaag aatcgcttga acccgggagg 180
cggagggttg agcgagccaa gatcacacca ctgcactcca gcctgggcga cagagcaaga 240
ctccgtctca aaaaagaaaa aaaaagaatt ttttctaaaa cttccaataa aaacttaggt 300
cccatataat ggtaaatctg gtcctaaaaa aaaaaggggc cag 343
```

```
<210> 902
<211> 183
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(183)
<223> n = A,T,C or G
```

```
<400> 902
agacagcatc tgggtccatc acctangctg gatgcagtgg tgggatccta gctcactgca 60
gcctttgaac tcctgggctc aagcaacctt cccgtctcag cctcccaagt agctgggact 120
acaggcgtgc gctaccatgt gtaatttcca tttttaaaaa gcacattaaa atcagagagt 180
ttt 183
```

```
<210> 903
<211> 517
<212> DNA
<213> Homo sapiens
```

```
<400> 903
gccttgccctc gggactgggc agtttatccg cagagcacca aggaagaatg tgtgcccact 60
gccaactaca aagaatcatg ggatcataaa ccctcagaag tggaggatc acggaaatga 120
gcttaatgtt ttatgctttc ctgtcgctt aaactgccaa gaaggctggg gcacctcaga 180
ggaaagaata ctcacaggaa ttagtttccg gtccctgaaa cccagtcatt tcaacatgac 240
agctgtttga aatcccatgt aaccagaggg tttctgagac aggaagcaac agtggcacac 300
ctagctgagc acgggggaga gtaagaagca gagaggaaac aagctgaatg agaacatggc 360
ttggaggcag caaggaaagt ataaaaacaa tgaaccaggc caggcgcggt ggctcacgcc 420
tgtaatccca gcactgtggg aggccaaggc aggcggatca cttgagatca gaagttctag 480
accagcctgg ccaacatggg gaaaccccat ctctact 517
```

```
<210> 904
<211> 198
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(198)
<223> n = A,T,C or G
```

```
<400> 904
actataacaa tgacccccta tgaagaaatg cttccaagac cagcacacca gaaagaacct 60
cctgatgggtg agcaggggcca gaaccaccac ctgnctgtcn caacactaac tcttcatttg 120
attcctcttg aagtttgggc cgagtgtgaa aaatgactct tcttttaagg actcgtaata 180
aagcagaggt gacacaga 198
```

```
<210> 905
<211> 122
<212> DNA
<213> Homo sapiens
```

```
<400> 905
gtgttttctt atagcagtgt gaaaatggac taatacacca gaaagaaaaa taaatgcaag 60
ggaattttct ggggttaaaga aaaataaagg aaagtgacaa ataaatgtaa tctaagatct 120
tc 122
```



<210> 906  
 <211> 456  
 <212> DNA  
 <213> Homo sapiens

<400> 906  
 caattttgct ccaggaagtc cttgggaccc aggtctctgt cagctcacca ttctatcagc 60  
 ccacagttaa gactgtggca tgtgcattcc agacagcaag actgagaaaag gatcctgaag 120  
 aagagagaca agggctgtct cttagggaag gctccacata aaactaagct gccacatgaa 180  
 acttacgctt actctgcaat agccagaact cagtcccatg gccatgaaaag atacaaggac 240  
 gcctctgttc ttggaagtca tgttctggtc aaaactggag gattctatca cattagaaga 300  
 atgagaaaac agacacctgg ggaaaactac attttctatc atggggaacag cactctattc 360  
 aagtgaactc acaattataa atgaagctac tataattctg aacaatgtac cacggctaaa 420  
 agtgcttcac tcactttact tactcaataa atttaa 456

<210> 907  
 <211> 475  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(475)  
 <223> n = A,T,C or G

<400> 907  
 acgaagtctc gctcttgtcc cccaggtctg agtgcaatgg cgcgatcttg gctcactgca 60  
 acctctgcct cccaggttca aggaattctc ctgcctcagc ctcccagagta gctgggatta 120  
 caggcgcttg ccaccacgcc tggctaattt ttgtatttta agtagagatg gggtttcacc 180  
 atgttggtcca ggctgggtctc gaactcctga cctcaggtga tccactcacc tcggctctcc 240  
 aaagtgtctg gattacaggt gtgagccacc gtgtgctggc tcagggaatt gaacagcttg 300  
 gacttgga cagtgaagta aaacagaaat aagaaggcng ccgaaaaaaa actccccaat 360  
 ggaatggggg nggatatttc atatncnccc caccacctca aaaatgggtg nccttgggag 420  
 ggatnggaan acaagaaaat tgggaggnga tgcactcttc aagccttagg aaaca 475

<210> 908  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(426)  
 <223> n = A,T,C or G

<400> 908  
 cagctccagg gggctcctccc atgacaggaa ttcttgatga gaagaaaagg tgcagctctc 60  
 tctgacaagc tggctcctct cctcagaaaa aagaaagaaa caaggagaag aggatgacat 120  
 tgaatgtatc agagaactaa gaaacttctg ccagcctgag caacttctcc agccagggcg 180  
 acagagcaag accatgtctc aaaaaaacia acaaatgaaa aaagaaattt ctggatgagg 240  
 aggatgctag ctctacattc cacttcacaa ccaggcccta catcagccta tatttgaata 300  
 ccatggcaat tctactacccc acgatctgtg aggaaatttt tccttacact aaacagattg 360  
 ggccagttnc acactttggg actgncagaa aaagcctata tatctaatat aatttattat 420  
 aaatag 426

<210> 909  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(448)

<223> n = A,T,C or G

<400> 909

```
aggatcatat gaaattcata aacagaggat gaagaaacac agaagacaga ggaaggattt 60
agttttggga acatgtgcta atggccatca aacaattctg aaataactga aagagaacct 120
ttgaaacacc ctttagatta agagcctggc ttgtaatctg taacaacaaa cgggtattaca 180
atgagaaaaa taaatgtcct gtcaaggcat tccttcaatg acatcctgtc acacaagtct 240
atatccaagg ctgcccacaa agtggaaaaa tggggaaaaat tccctgcagt acagggccaa 300
aaactgaagt ggatgtcact gtcttctgtc ctaagaaaaa agaggataaa ctgtantccc 360
aaccncttcc gaagcttgag gcaggagaat ggcatagaacc cgaggaggcg agcttgtaat 420
gagtcgagat ggcgcctgc actcccaa 448
```

<210> 910

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(496)

<223> n = A,T,C or G

<400> 910

```
gacgtctggg gagctcctgc attaatcng aacnngaggg taaaaaaagt atnggntggc 60
acggggggctc acgcctgtaa tcccagcacg ttggggaggcc gaggcagggtg gattgcctga 120
ggctctggagt tcaagaccag cctggccaac atggtaaaac cccatctcta ctaaaaatac 180
aaaaactagc tgggcgtgat ggcaggcacc tgtaatccca gctacctggg aggctgaggc 240
aggagaatcg cttgagccct tgaggcagag gttgcaatga gccgagatca cgctactgca 300
ctccagcctg ggcaagaaga atgagactcc gtctcaaaaa aaaagaaaga aagaaagaaa 360
gaaaaaaaaat tcngctccag gcagacttct ttttntgntt ctgcctttaa aaaaatctcc 420
ttggcacagc ttcacntgat tggatgggag aggaaatttg aggctgggag acctcctana 480
ccacagctgt aatctt 496
```

<210> 911

<211> 309

<212> DNA

<213> Homo sapiens

<400> 911

```
aaggcacagt cttcttctga gatttgagga gcagagggca agtgggcagc gtgacaatgg 60
taggaaaagg cttgccccag agtgaagaag agaagaaaat tgactggtaa aatgaactac 120
aatgtgaag aaagtgtaaa ggacccaatt gagaaatgag gtctatgttg cccaggctgc 180
ttgtgaactc ctggcctcaa gcgatcctcc tgccctcaaac tcccaaagtg ctggaattac 240
aggatgagc catcatattt ggctaatttt acctcctttt taaataaagc tgactactac 300
tacaaaaat 309
```

<210> 912

<211> 188

<212> DNA

<213> Homo sapiens

<400> 912

```
agactggatc tcactacttg cctagctctt gaactcctgg cctcaagcaa tcctcctgcc 60
tcaacctccc aaagtgtctg gattacagga gtgagccact atgccccaca tgggtattatt 120
attattgtta ttaatactac attgtgcttc ataaataatt gctaaatata caagaatatg 180
tttgtttc 188
```

<210> 913

<211> 659

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1)...(659)  
 <223> n = A,T,C or G

<400> 913  
 ttaagtcagt aacttgtaga ggaaaaaccn tgatggggaa tggtttgaag ctccagcngn 60  
 accctaaagg aggagccagg gcaccagccg gatggaggaa aatctcctgg cccaagaaag 120  
 tgacagggga aagactcctt cttcccttgc tcacacaggc tcccaaacat cacttcccag 180  
 nggaaaacaa agtgcccatc tccccacaaa ggacttgtga agctcttggga agcaccaagc 240  
 aagaagactt tgtcaagttt cttgttcctt gggattgttc acccaagcca cattggggcc 300  
 aagccaaaaa tccttgaaga agcttgggct tgcaaagtca agaactcttt ctttaccttg 360  
 aaccccaagg gaagtggaa cccggggggc caccaagaag ccttgatttc ccaagnaaga 420  
 agttcttcct tcttaaaaaa ccaaaagggc aattggggga cccccactt tttnttcaa 480  
 cccggggccat tggctcttgg ccatttntta ccaagtttgg aaggggccacn ttaaaatttc 540  
 aattgccttt gaaacccggg ccccttgggg ttttcaaaaa cccctcaacn ttnttggccc 600  
 acnttttttt ngggcttggga ngtnggaccc ctaaaaaacc caaagtttat taagccatt 659

<210> 914  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(465)  
 <223> n = A,T,C or G

<400> 914  
 ctggcgatct cctgaattga gnccaactga gggacctccc acctgaacag gacgattgaa 60  
 ctttgctttg cgatgacaca agcgacatct tgggaagaggc aaaacttgag acaggtcttc 120  
 aaggattggg gccatctgga cagggttgaag aggagtagga gggctttcgg atgtggagaa 180  
 tggcatgcac aaaagcacgg agcaacactt tatgccagtt ggattatggt ccattgggag 240  
 aaagatcaat taagggtgaaa cccagtaga gaaagcactg gagaacaaca ttcattcttc 300  
 cttaataaat cttagtttta aatatttgct ttgagttttg ttccattaat aaagaaaata 360  
 agaaggaaaa cccnnnnnnn nnaannnnnn nnnnangggg cngggggggc cntttnnnnn 420  
 ggntttnanc cgggtnnntt tttttaaag gggggggccc ccccc 465

<210> 915  
 <211> 124  
 <212> DNA  
 <213> Homo sapiens

<400> 915  
 gccaagatga caacgagccc agctgaagct gacatcccag caaattgcat gacaaattgc 60  
 aaagacgact aaccacacaac ctactcttct ggaaaataca atttaaataa aataatttta 120  
 agtg 124

<210> 916  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(440)  
 <223> n = A,T,C or G

<400> 916  
 gatggagtgc aagtgggtgc accttggttc actgcaacct ctgccttgcc tccggagttc 60  
 aagcgatcct cctgcctcgg cctcccaagt agctgggatt acaggcacc accgccacac 120  
 ccagagagtg tgacgatccc cctgatgcgg ctgagatggt ctgaaatgaa gacgttggct 180  
 ctcaccccca gcctgaagag agaaaattct gagatggctc ccttacagat tgagagcaga 240  
 tacgggggtt caccgtgcta gccaggatga tctcgatcta ctgacctcgt gatccgccc 300

```

cctcggcctc ccaaagtgt gggattatag gcgtgagcca ccgcgcccgg cggggttgnng 360
gttaatatta aggcaacttg gtanggaaca cagccaanaa cgattgcagg atgggtcctt 420
ccaggacact tgacgtctca                                     440

```

```

<210> 917
<211> 463
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

```

```

<400> 917
gtggcctttt caatccttcc agctaccagt cagtccacaa gcncttatgg gacaccagac 60
cttgccctgga gcagccttgg ggaatcaaat aggagccagt ccctgccctc cagaaactgt 120
gtgtctgggg gagaagatca cacacaggaa aatcaagtgg tgacaagagg tgccatgaga 180
cagtatatag ttcatTTccc caccgcaaga gtaaagggtt tagggtcaga ggctttgggtg 240
cctgagttct gactctgcca attattagca ttgggacctc agactcagct ggcagagagg 300
agaagcagcg ggacatcagg actatggctg gacgtcagan aaaaacaact taactttaaa 360
aggtggcagt tggatggng taacttagga gaagaatctt gactgggaga cggccagact 420
tcanaagaag atgacctacc ccccatccc cttttcagct tcc                                     463

```

```

<210> 918
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

```

```

<400> 918
gttcagagag cccatgggtg ttcgggggaa gcatcagtg tgtctacaag aatatggagc 60
ccactccaaa tgaaataatc agataacatt gaaaaagagg aaatccgcac aacgtccagc 120
tatggagtag ctacatgggtg aaatgccggg aagatgtcca ggacaggatg tggtagact 180
gtgggaaggc tttattgcag aagggaattc taagaagtgt gggagaacca tgaaatttag 240
cccagaagag taagaaacat tgtgccagga ttggaaagga acagctctga caaggaaaca 300
agaataggag aaaaatgcca gtgcagatag agggaggtgc taattgctct tagccaaaaa 360
cattanaagg atttgtcaaa aggagtctta cgttaaatat anaaagtctg cttctc     416

```

```

<210> 919
<211> 371
<212> DNA
<213> Homo sapiens

```

```

<400> 919
tagagacgaa gtttcaccgt gttagccagg atggtctcga tctcctgacc tcgtgatcca 60
ccccactcgg cctctcaaag tgctgggatt acaggcgtga gccatcgcac ccggccaagg 120
tgacaaaata tttcttgctg ttagttgcag gagagagaaa agatgaatac tgatccacgt 180
ctgagagaga gacaaaaatt caagttggag aatgggtccag atacatcacc aaagcaagga 240
ggactgtaag tggatatcaa gaacctgagt gcagagacaa gagacagatc tctgtttctg 300
aaaacatggc aaggaaaata acctaaatat cctctcacta tcaagcatta aaaatgggtg 360
attaaatttt g                                     371

```

```

<210> 920
<211> 373
<212> DNA
<213> Homo sapiens

```

```

<400> 920

```

```

ctgccctgtg tttgacattt ggtgattgta ttcctttcct gggacagccg taacaaaacg 60
ccacaaaactc agcagcttca aacaacccaaa atggattctc tcacagctct ggaggccaga 120
aggccaacac tcaaggtgta ctgggaccgt gctccctctg aagccccccag ggaagaatga 180
cttccttgcc cctgccagct cctgggtggtg gccggcggtc ctgctcgctc cttggcttgt 240
agacacatct ctcccatctc tgccctccacc accgcgtggc cttctctgtg tgtctgtgtc 300
cagatttccc tcatataagg gcatcaagtc attggactgg ggccatcctc atacaacatg 360
ctggttagcc ttg 373

```

```

<210> 921
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

```

```

<400> 921
cttcactcct tagcccagcg agaccacgag cccaccggga ggaatgaaca actccagacg 60
cgctgcctta agagctgtaa cactcacgcg gaaggtctgc agcttcactc ctgagccagc 120
aagaccacga acccaccaga aggaagaaac tccgaacgca tctgaacatc agaaggggca 180
gactccagac gcgccacctt aacagctgta acactcacgc cgagggtccg cggcttcatt 240
cttgaagtca gtgagaccaa gaaccaccca attccggaca cacctggatc tctttttcca 300
gtatcactat cagttaaate ccgcctcccc cccccccgaa atttataatt tttttaaccn 360
ggcacccttg gagatttatt taggaaaact agngacnctg nttntttga naacaganta 420
aanagcgnng gtggaacttt t 441

```

```

<210> 922
<211> 341
<212> DNA
<213> Homo sapiens

```

```

<400> 922
agatgaggcc ttggagcagg gatgctggcc acccatggag aaaaatgaga cctgtgttcc 60
aggctgtcag cagagtcccc gaggttttgc ccatggctgt ggttcaaact gtgttccaca 120
aatacttgca actgtctgca gggcctcgga gacatgggccc aaatgggttt ccctcccgaa 180
taccaggcca tgacacaact tcagctttca tctaattata cactggacat ccacaccggt 240
tcacctgcaa agggttctac tgttaaaata aataaaccgaa ataaaccctc tcttttataa 300
tatgtgaact ttaaattaaa ataaaaaaac agattagcaa c 341

```

```

<210> 923
<211> 639
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(639)
<223> n = A,T,C or G

```

```

<400> 923
gtcctcctaa atgtcttccc agccccttcg agagaattgt ggaagtgggg ttgccagatc 60
aaacacaaga caccagttta aaattcaact gtagggtttc gctttgccat gcaggctgga 120
gggcagtggg gcaaacaggg ctcacaggca gaggtctgtc tgccctcctag gatcaaggga 180
tccccccacc gcagcctcct gagtaactgg gattacaggc acaagccatc atgccaggc 240
aaggattcag ggacatctca gagcgctgg ggtctcgctc ccttcaggtc gtctgggctg 300
ggaggtctcc tccctcttcc tccaggcacc agtgggagca ggcagtcaca ccttcctgtg 360
agtgagaacc atagcagaac cttcaaagca cctctcaagt cgggctggag tgcaatggcg 420
tgatctcggc tcaccgcaac ctncgcttcc gggtcctggg tcaagcagtt ctctgtctca 480
acctcctgag tagctgggat tacaggcaca tgccaccacg ctcaactaat ttttgtattt 540
ttagtaanag atggggggtc accatgttgg ccangctgnt ttcaaaactc ctgacctcgt 600
gatccgcctg cttcggnctt caaaaatact gggattaca 639

```

<210> 924  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 924  
 ggaaggatgc gattgggtcag catgaatcat ctgcccaccc ctatcgtgcg tatggactgt 60  
 gattgacagt tacgtgcacc acatgaagaa aaaagcagag ttcttcaaac agcatgatac 120  
 tgtaagagaa ggaatggggg acaagatcta gggctgcagg attaaaaaaa caaccaaacc 180  
 aaacagctgc tactcttcat acgcgtcatt attcctttcc ctttattttg tgaaatattt 240  
 aagtattttt ataaattgtg atattagctg cttaaagtat tgtaaataaa attaaatatt 300  
 gtaattaaag atgtatatat at 322

<210> 925  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<400> 925  
 ctgtcatttg ccctctctga tgaggtcagt taccatgttg tggctatcct gtgaagaaga 60  
 ccagatgaaa aggaactgag agatgcctct gaccaacagc agaggaggaa atgaatctgg 120  
 aaacaaccat gtgaataaat ctgagaatga atgcaaccct agctgaacct taaagtacca 180  
 tctgacacct tcattacagc cttgtgatag actgagagcc agaggacca gatgaaccac 240  
 actgggtacc tgaccacag aagctacaag ataaatggtt gctgcgataa taaatggtta 300  
 ttgcttt 307

<210> 926  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(410)  
 <223> n = A,T,C or G

<400> 926  
 gggactcctc ttagtnagac ttgattctnc ganctgngat aaaatcanaa gtggantagn 60  
 tggaaaaaaa catgccacct tcttgctgac attttgttta actctcttgg ccaagctgat 120  
 tcctccttcc tccatactcc caaggcacct gaggtctggc tcttcaggct gtgtgacgac 180  
 agggacttta aagaggcaat gaaggtaaaa tgaggctcatc aggatggact ccgatataac 240  
 cgggtgtcctt acaagaagag aagacaggac acgcncacaa agcgagggtc agccatgtga 300  
 ggacagtgag aaggcggccg tcacacccca aggagagagg cctgggaana aaccaacctt 360  
 acaccttgac atcaaacttn tggctctcaa aactgttaga aaataaattt 410

<210> 927  
 <211> 668  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(668)  
 <223> n = A,T,C or G

<400> 927  
 atggagtctt cctctgtcat ccaggctgga ttgcagtggc aggatctcgg cttactacaa 60  
 cctccgcctc ccgagttcga gtgattctcc tgcctcagtc tctggagtag ctgggaatac 120  
 aggcacccac cttcgtgccc agctaatttt ttgtttgtat tttttagtag accgggtttc 180  
 accatgttgg ccactctggc cttgaactcc tgacctcagg tgatccgccc acctctgcct 240  
 cccaaagtgc tgggatgaca ggcttcagcc accgtgccc gccaagatca agttgttgtt 300  
 ggcagggctg cactccctgc aaaggctgta ggagacaacc catctttgct tcttccagct 360  
 tctaggggct tccgcagcat gccttggcgt gccttggctt gtggctgcat tactccaatc 420

tctgcctgta	tggcaaatta	cctcctcctg	gtccatctat	ctccctgtgt	gtcacttata	480
aggacagtta	tcattggatt	taagtgcctt	cctggatgat	ccaggatgat	ctcatctcaa	540
gatccttaac	ttaagtacac	cacaaaagtc	ccttttgcca	aatgaaataa	cattcaccat	600
ttncgaggat	aaaggacttg	gatacatctt	tttgggangn	caccattcaa	cacactacac	660
taataaaaa						668

<210> 928  
 <211> 484  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(484)  
 <223> n = A,T,C or G

<400> 928						
atggagtctc	accctgccac	ccaggctgga	gtacagtggg	gcgatcttgc	ctcactgcaa	60
cctccacctc	ctgagtacaa	gtgattctcc	tgcctcagcc	tcctgaatgg	ctgggactac	120
agagctgaag	tctgcctttg	ttactcagga	gtctggaact	cctggagtgg	aaactcctag	180
cctcaagcaa	tcctcctgcc	tcggcctcct	gaagtattga	aatgagatct	ctctaagtgc	240
ctcaggctgg	acacaaactc	ctgggctcaa	gtgatccttc	tgcctcagcc	tccttagtag	300
ttgggactac	agagaatttc	cctaggtcaa	atggcaccca	gaaactgcct	cctctacctt	360
gaaagctaca	ctgtcttaac	cctgaccaat	ggctgactga	tgtgggaatn	caaaagtcct	420
cctncttgtc	tcaaggatgg	agccttgctc	tgtcactcaa	gctggaacgc	aatcgcgcca	480
tagg						484

<210> 929  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(379)  
 <223> n = A,T,C or G

<400> 929						
gcagcaaaatt	ccaacaagag	agaagtatca	ctggatggca	aacggagagt	gggggtcccag	60
cctcactctg	agggcaggct	gaacacctta	gggaccatca	acccccggng	gtgtcgtttc	120
cagtgaaaaac	cgaactccgg	gatgtagccg	gattggnanag	aagcgagtgg	cgcgtgcgcc	180
cccttcctgc	ggcggatgga	tgaacgtttc	ctccaaacct	ctnaagagcc	cgtgggattt	240
taccctttca	cctgcctccg	cttctgctgt	atcttgctcc	agttcggtta	gtgtgaaggt	300
ctcagcagcc	acacctcgac	agcataccgg	gaactctcaa	tactcctcta	cccattagca	360
ataaacaatc	caaaaattc					379

<210> 930  
 <211> 62  
 <212> DNA  
 <213> Homo sapiens

<400> 930						
gctggagtaa	aaggacatt	gggaagatta	gttggaattt	gaacaaaaag	ctccatttag	60
ca						62

<210> 931  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 931						
atcaaaaagca	gcatggatct	gcctgtggat	gagtggaaat	catatctgct	tcaaaaagtgg	60
gcttcactcc	cgacgtctgt	tcaggtcaca	atttctacag	cagagacctt	gagggatatc	120

tttcttcact	cctcttcact	tcttcaacag	agtttcgctc	ttgtcaccca	gcctggagtg	180
caatagtgcc	gtcttggtc	acagcagcct	ccgcctcctg	ggttgaagca	attctcctgc	240
ctcacctcct	gagtagctgg	gattacaggc	atgcaccacc	gcgcccagct	aattttgtat	300
ttttagtaga	gacgggactt	ctccatattg	gtcaggctgg	tctcaaactc	ctaacctcat	360
gtgatccacc	ctcctcggcc	tcccaaagtg	ctgggatgac	aggcgagtta	agcgccctg	418

<210> 932  
 <211> 83  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(83)  
 <223> n = A,T,C or G

<400> 932	
gtgncgggtgn	agntggncct
gcagngccga	tccttncncc
ctagtcnnga	tgccctggga
60	
acctcttttc	ataatctgca
cct	
83	

<210> 933  
 <211> 369  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(369)  
 <223> n = A,T,C or G

<400> 933	
ggtttgcac	gccagcttct
atatattacc	ggcccttttt
ttttgctggg	atattatctn
60	
tgnaaaaacg	gggggaanact
acccttgtn	gctggggagg
ggacccgngg	aaatggtttg
120	
ggatatatga	aaattacntc
cnggagggat	tttctgaaan
aanataanaa	aacctntggg
180	
ggaaattttt	gaaaaaattc
catccaatac	cgtngaaagt
cttcaaaaat	gcttgctcca
240	
agtttcactt	gataccngct
tgnttcctga	aatttgaaag
gggacattgt	ttttttatga
300	
caagnnggaa	agcttatgct
aaatcctggg	atngggngn
cncctttgta	attaaaaaaa
360	
taccccccc	
369	

<210> 934  
 <211> 475  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(475)  
 <223> n = A,T,C or G

<400> 934	
gtaatttttg	aaattacaga
aacatgtaaa	gaaaaagaga
aaaatacagc	tgtgtcataa
60	
cctcattgct	ggaggcagtc
gctgttaaca	tcttggtggc
aacactgagc	ttcatggctg
120	
actcttcaca	atttgatggg
gatcttgcta	tggtgcccag
gctgaccttg	aactcctgac
180	
ctcaagctgc	cctcttgcc
cagcctccc	agttgctggg
attacagggtg	tgagctgctg
240	
cacctggccg	atttantttt
ctgtatgaga	tttggtactc
tgaatatttc	tttcatccag
300	
gagagagtta	ttgcttctat
gtgcagatct	tatttgcatt
tgggatcacg	gactggaaag
360	
ggctcagggg	tttatatcat
tgacccgatt	tacaaaaagt
gttgacagcg	gggagganga
420	
tctgaaatca	gggccttcnc
gaggaggctg	gctgacctn
atttcctgct	ggctt
475	

<210> 935  
 <211> 486  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> (1)...(486)  
 <223> n = A,T,C or G

<400> 935  
 gagagagggga tctcattatg actgagaaaa aaatatcaag gaagagttgc aacatgtcat 60  
 ttgcctcccct ctggcctcat tggtattttc tcattctctc ctcccatatt ttgnaagagt 120  
 gcattgattt attgccattt tcatttttta aaacatcttc ctccctacctc aacaagcatt 180  
 tttgccc aaa gcgagtatta acaacttccc ccaggttctc cttgtgttcc tctgtcgagt 240  
 gttcttattc attccatttg tnaaaaaagg aattctntgg gccagcacia agcatctgct 300  
 gcttctatcc aggcaaagaa agatgggtggc atgggggtttt tattttactga aggctgggac 360  
 gaacgcagag ctaagtgtgc attcctgggt ctccctggctt tgtaggtgat acaaaaagctg 420  
 gttnncctgg caagaaanaa aancccttcc agaangcaaa atcaatgccg gcncccccact 480  
 tcacca 486

<210> 936  
 <211> 506  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(506)  
 <223> n = A,T,C or G

<400> 936  
 atagagtctt gctctgtgac ccaggcttgt gtgcagcggg acgatattgg ctccactgcaa 60  
 cctccacctc ccagggttcaa gcaattctcc tgcctcagcc tcccaagtag ctgggattac 120  
 agatgagggc tccaaggggc cagatggaga acagatgcaa ccacactgaa gtcagaatcg 180  
 cagcttgccct ccgacacctg acgcttcact gttggcgagg ccactatgc ctgcgtctcc 240  
 ccttggaaatg agttctatcc cagaggctcc tatacccttt agaaataaac tgctcaggca 300  
 gcccaaccag ttcattccaag aggcctggaa ccacagcagc gtcgacagct gagatgagag 360  
 ttggtccctg atcttataca nancccggtt ttaagtttga nttctttctt ttccttgnca 420  
 agaactntta aaaaaaaact ttttgggggc cggggcattt tcttggttnt tttccnaacc 480  
 naaaaaaaga nttttttttt aaaacc 506

<210> 937  
 <211> 172  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(172)  
 <223> n = A,T,C or G

<400> 937  
 ctttcccacg gggnggnctt gccccttccc tgggtgggggc tccnntgggg gaaanaaaagg 60  
 ggganccaat naaaaaaaaaa tgcgggggacn tctcatgatg acctgggncc ttggtntttt 120  
 tnaaataaan cctntttttt taccttggtc caataaaaaa gctgaacttt tt 172

<210> 938  
 <211> 592  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(592)  
 <223> n = A,T,C or G

<400> 938

```

agaactggag gcagtggcan tcattanggc tgtctttggt gccttaaaca agtatttggg 60
tcaaggtntt tgtaaataag aagatttttt ggatggatga agaaagatnn ctttattcna 120
gcacccaaaa aagccaaaaag cntttttaant gcccatatta ttgtccccaag agaaaattgg 180
tataccaggg accctgggct taancttatt tcatttgcna tggcagggta ccattaaaag 240
aaaacaatta ngatgcccgn acccaaaaat gcccaattacc ctgggaaggga accagaccat 300
tagaggttgg gaaaaattat tntgggntat tggggaaagg ggtatttccc aacaaaaaaa 360
aggaccattg ggattgaaaa aggaccggaa cgactttcct tggaaaccaag aaaaaacccc 420
canggaaaaa ggtcaaaaaa aaaaaggaaa gccnnccana gaatggattt tcttggaatg 480
gaaatantgg antgggaang aaccgacttn ttgcaangcc ctcnaacttt ttatttttca 540
acccnccaag gncttggttt caaacccctt caaggaang gggttttcaa aa 592

```

```

<210> 939
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

```

```

<400> 939
tttgctctgt cgcctaggat ggagtgcagg tgcagtggcg cgatcctgca acctccgctt 60
ctcgagttca agcgattctc ctgcctcagc ctcccagagta gctgggatta cagacgcgcg 120
ccaccccacc cagatgatct ttttaaagtc aaaatgccat cgacgcaaaa aatcaaagaa 180
tcagcttaag ttccagaaaa aagaaaaacc naccnaatga acnatnagac naccnccncc 240
nccacaaaaa aagncttttg gggatttttg gaaatatattg ngtnatnatt ntntacttta 300
ccngngagaa aagagnnttt ttttanaant nggncntcca anatggagat ttaaaattca 360
tttanggtct ttggaaangg ttcttaaaan aaatggattt gggggg 405

```

```

<210> 940
<211> 147
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(147)
<223> n = A,T,C or G

```

```

<400> 940
atgtcctaca acaaattggt gaaagagaag gcatcacaac agagaggttg catgagcggg 60
tttcccacat ctattatttc attttatcat tgtaactgtg acttttcaaaa gaatgngagg 120
gcataattaa acatttactc acgaacc 147

```

```

<210> 941
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<400> 941
atggccacca gagctgcact ggagagtgcg tcttctgctt ccatgtgtgg gaagatcact 60
gtgttctctg tgaccagta gtgtgaattg cttatctgtt tctgcattaa ctcaaattta 120
tcagtgatta ttgcctgaat acctcatgct ttctgagatc tacaggtaca gatttagggg 180
tgaactcttt ctctaaataa atttaatcca tgtgtgttaa aaag 224

```

```

<210> 942
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (1)...(471)  
<223> n = A,T,C or G

<400> 942  
agccaataaaa ttttcttggg gctcacatgt tttcataggc ccctgaaaag cccggaggcc 60  
ctgggtactg tgccttttagt gccacgtgga aagaacagct tgggctcagg acttcagggtg 120  
gtctccaccc ggccactgga gagaatgaga caaaaaagcc ccagatgagg agactcaaga 180  
agctatgaaa ggtgaaggca tttgctcaga gtcacacagc tactgaggag caaaccaagg 240  
atttaaccct tcatcccttt agctttgagg atctttcagc tgcccagtgcc ccgtgaagat 300  
gaataaatat taactattac tattatcatt atcagaatct tcctctccct gaaggaatta 360  
aagaaaaaaa aaagcctcct nattctaccc gggtactnac tggngaaccc angggaaang 420  
gacttaatct ggcnnggcct cagtttgtca cctataaaaag ggggatatag g 471

<210> 943  
<211> 341  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(341)  
<223> n = A,T,C or G

<400> 943  
aagcctgtct ttgctcggng cttatcatct ctggaaaagg aatggaagaa aaattcaagc 60  
ctagccaaaa aaagctggaa ngggggncce ccanaaagtt ccaagtttgg atgggtggat 120  
aaanaaaatc atttcctngg ganggacant tccggggaang gcactcttac gctttccnaa 180  
aatcantctc ttacccctca aagggtcttt atgcttgctt aaaggcaagg gccanccccc 240  
cgagtttngg ctggggacct cttaaattta ttgggggggc nctccccctt gaatggtgng 300  
gaaaaagggg gggggccttc cttcattta aaaaagggtg t 341

<210> 944  
<211> 469  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(469)  
<223> n = A,T,C or G

<400> 944  
attcattcgc aagagactgg gttattataa agcaagggtg ctctctctcg ttggtctctc 60  
tgacgcgatg aanaaaaagg cggccctttc ttcattatgt tctgatccga cacatggcct 120  
tgaccagaag ccaagcagat gctggcacca tgcccttctg acttcccagc atgcagaacc 180  
ctgagagaga gtgtttcacc atgttggtcca ggcttgtctc aaactcctgg gctcaagtga 240  
tcttcccacc tcagcctgac aaagtattgg gattacaggc gtgagccacc atgcctgacc 300  
taaaacattt tcatcacctc aaaaatatct tttatgctct tccaagtta atcaagcttc 360  
tcacccccac cccaaatcca ggcagctgnt gggctgcttt ctgnccactat aaataanaag 420  
nggattttta nagctcacat aaanggaacc atacagaata taatctttg 469

<210> 945  
<211> 285  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(285)  
<223> n = A,T,C or G

<400> 945  
cacaagatt gagaaaatgc tggtgncccc caagaaaaga gatttttcag caagatgtgg 60

```

ggaagaccag taatgaaagg gttgtgagat cttgaatttg caagtaatag actgcctcct 120
ggaccttccc cattgagatc tgtcctctga tatgagtgag gaatcttttt gtccatatct 180
tgagcatttt aaacaaaagt taagcttcac tttanattaa actgcatctc caaactttct 240
ttgaaaacta atgctgttag aaataaaaaga caagtttgta tatgt 285

```

```

<210> 946
<211> 438
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

```

```

<400> 946
tttcaggggg ggancgacgg nattcatctt naatcaacag tacttttgan aagcttcgan 60
cgggatcaat tccncccccc ccctaacgtt actggcccaa nccgcttgga ataaagcccg 120
ggggcgnttg nctatatgnt atttnccacc atattgccct nttttggcaa tgggagggcc 180
cggaaacctg gccctgtctt tttgacgaac attcctaagg gtcttttccc tctcgccaaa 240
ggaatgccag gtctggtgaa tgtcctgaaa gaaacagttc ctttgggaaa ctttttgaaa 300
acaaacaaac gttttgtaac gaccctttgc angcagngga accccccaac ttggcgaaan 360
ggtgnccttt tggnggccaa aanccccgtt gtatnaaaaa ncccctggaa aaggngggga 420
naaaccccaa gggccccc 438

```

```

<210> 947
<211> 172
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(172)
<223> n = A,T,C or G

```

```

<400> 947
aaacttataa ggggggatact tatataaaca cantggccac atttccaaat cttcttttca 60
atcccagctg gtggattaaa catttttttg gaaagtaacc tcctattata aaattaaaag 120
ccaatattaa gagtttttnc caatcaagaa tgggtcnataa aatttttaac tt 172

```

```

<210> 948
<211> 191
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(191)
<223> n = A,T,C or G

```

```

<400> 948
atgctgcact taaaaggatg cttgttttga tgnoctgctc attgttntcc ctatgaagta 60
tcaagtaatc catcctagag gggnggttct ttttaanaat ttgagaagga aaacgtacnt 120
cccanctnct tttatataat gcgagcaaac aaaatatttg ttacaacact tcattcaaat 180
ttatttaata t 191

```

```

<210> 949
<211> 516
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (1)...(516)

<223> n = A,T,C or G

<400> 949

```
tggctcacac ctgtaatccc agtgcttttg gagggccgagg cagatggatc acttgaggcc 60
aggagttcca gaccagcctg gccaacacgg cgaaacccca tctntactaa aaatacaaaa 120
aattanccag gcctggtgga gcacgcttgt aatcccangt actngggagg ctaaggcagg 180
agnatcactt gaaccangn gangctgcag tgatctgaga tcgtgccact gcactccagc 240
ttgggcaaca gaacacagac tccntcttaa aaagaagaaa gaaagaactt ctatttttta 300
aangtttttt cctttcattg aactccatnt atngcctttc cattcaaagc ataaagatta 360
aattttaaaa caaggcttgg cccctgggt tatgcctgta atcccancac tttnttgagg 420
ccaaggnggg cgggatcacc tganctcaaa ngnttagaat ccntnctggn taacattggg 480
gnaaccccct tntntaaga agaaccccat ttttta 516
```

<210> 950

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(503)

<223> n = A,T,C or G

<400> 950

```
gtggaagatg caatgctgat gtttgataaa actaccaaca ggcacagagg gagagtagcg 60
atttacgaag agcaaatgga agcgaaaacc cctttntttc tttgggcccg ctgtgtattg 120
ctggggcact tgggcagacc cccaaagaca tccttaagaa caagagaaat cgggggctgt 180
gtgaagatgt cacatctgca gatagggttc gaggtagagc ggccttttgg gttttctcct 240
catttgggaga aattgagaag tagcacggaa gacctccana cccagagctt gtgtacggca 300
cagtccttga aggatttgct cccatttctca gggagcaaga cccatcttaa acgtggaaac 360
aaatacacga gagtaataca tacttgaggc ttaatgnaaa gttaattcct cttggcacag 420
cccagatat cttgaataaa tggctgcga agtgctgaaa tatcttgata atgnccgttt 480
tacttttgan tatataatca att 503
```

<210> 951

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(472)

<223> n = A,T,C or G

<400> 951

```
gaccctgggg agctcctgcn ttnaggancc cctgaggtct aantaaagcn anggaacatg 60
ctgngagcca accaaggaca gcctgactcc anaagatata ttcttccgaa ataagacata 120
aagccttttg tccagtagca cgatcgaggc tactctgcat acagatggag tttcactctt 180
gttgcccagg ctggagtgca atggtgccat cttgactcac tgcaacctcc acctcccagg 240
ttcaacggat tctcctgcct cagcctccca agtagctggg attacagaga tacgattttg 300
ccatgtttgcc caggctgggtc ttgaactctg cgctcaagcg atccacctgc ctgcacctcc 360
caaagnngntg ggattacaga catgagcccc tgcgcctggc cagcttcacg catattgnta 420
taatcttcat ggacaaatcg aaactcaaan ggagntttgc tcttggtgcc ca 472
```

<210> 952

<211> 476

<212> DNA

<213> Homo sapiens

<400> 952

```
atggagtgtc tctctgtcac ccaggctgca gtgcagtggc acgatcacag ctactgcaa 60
cctccacctc ctgtcctggg ttcaagcgag tctcctgcct cagcctctgg agtagctggg 120
```

actacaggag	gagcaagtgc	cattctgcct	caagacccta	acccaggcat	ctgaatctct	180
cctgagtggg	ctcccttcat	tccttttcag	ctccacttgg	cctagtgaac	tccgactcat	240
tctgcaagtc	ccagtacacc	ttctttaaca	gtctgcatga	ggcagactct	cacagttcac	300
tctatatattc	ttccatgaca	ctcttcccaa	atgtaactaa	aggattactt	gtataatttt	360
tccttttagca	tttgtttttc	aaactagact	gcagctcact	ggaagcagg	cactgaaatt	420
tagaaggccc	aaccaacatc	ttttaaatga	aatcaataaa	gcaaagatgg	cacaag	476

<210> 953

<211> 353

<212> DNA

<213> Homo sapiens

<400> 953

gtccataaaa	gccctgggct	cggccacagc	agggcaaaga	ccagaggaca	gagagaggaa	60
ggggataact	acctgcagag	aggagctatc	ctctttgctg	agagcttcag	aggcctgcag	120
agacatctga	acaacctgcc	tacaaagagg	agccaccctc	ttcagagcct	cctctctgct	180
gagaacagca	gacagcagga	tgaccagtgg	gcagagaaga	gctaccccct	ccagggcctc	240
ctctttgctg	acagctgaac	actccatggg	atgacctgcc	tacagagagg	agctaccac	300
ttccggtctc	ttctgagcca	ttctaact	aaataaaatt	cttcttcac	ttc	353

<210> 954

<211> 326

<212> DNA

<213> Homo sapiens

<400> 954

ggtttgactc	cctagaacac	ttctatcaaa	caaagccgaa	acggggagga	cagagagata	60
tttacacgaa	gtttcaccac	cttgcccagg	atgggttttc	actcctgagc	tcaagcaatt	120
cgccaacctc	agcctctcaa	agtgggtggg	ttacaggcag	gagccaccaa	gcctggcctt	180
acgtacatct	tttgactctc	caaaaactta	actactaata	cccttctgct	gaccagaagc	240
cttagtagta	acataaacag	tcgattaaca	catattttgt	atgtttcatg	tattatatac	300
tgtattctta	caataaaata	agctag				326

<210> 955

<211> 140

<212> DNA

<213> Homo sapiens

<400> 955

gtccctgcac	ctgtcacacc	acaaacaatg	ataaaaaacgg	agacacctgg	gtgagcctca	60
ctcactgcgc	atgcctccat	cttcgaagag	ctcctgttca	ctgtactctg	aaatagactg	120
tgcaaaacat	taaaactgac					140

<210> 956

<211> 245

<212> DNA

<213> Homo sapiens

<400> 956

actccattgg	caacggagca	gcagaggaga	gaagagaagc	atctgaacgt	tgagaggaga	60
agcagcagct	ggacattgga	gactacagtc	ggagaggagt	tcaaccagag	atagttggag	120
agaagtttgg	tcagacagcc	gaactccagg	gaaataccac	cttctcgctc	catcccttc	180
ccagtcccc	ctcccactgg	aagccacttt	tatcagcaat	aaaatcctcc	gcgttcaaca	240
ccctc						245

<210> 957

<211> 373

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(373)

<223> n = A,T,C or G

<400> 957

```
gagggcatcc caggagaagg cagagtcag gaggcggatg ttgggaagca aatcctgaac 60
tcatcaagtc ccatagcccc tttgtctatg gaccttctgc cagcatcttc tgtaagacta 120
ttaaagtga ccaacccaag gtctccagtg ctgctgagtc ccccggtgca cctcctgcaa 180
ctgccacagt tgtcaacagc tcaaattcta gagaccttct tcattaggtc aatgagtatc 240
taaactttta aaaataaata aaggggtaat tattagcttg ccccccattc caacaaaaaa 300
aaaanggcc gngngggccan ttcanntnga anttanccag gntgaacttg ntnaaaagg 360
ggggactacc caa 373
```

<210> 958

<211> 412

<212> DNA

<213> Homo sapiens

<400> 958

```
gagatgcccc agtactttta tatgtaccaa caattggcta tggttatggaa tctgcaatgt 60
ggcctccgct gctgacctct gaaacacaa tcccagtcg actacggaaa ctgttcagtt 120
tgatcctttc aacttatttg aatcctgaca aataagctca cagctgaaag gtcaacatag 180
tcgtatttca tctccagag ctgttcttaa gacatctgca caacaaagca cttcttatag 240
cacctgacat gggccctcaa tggcactgta cctcattaaa aatgtcccct gcatgcgcac 300
gcattccaag gcacatggtc tggatgatgt ttaccaata agtggtttaca gaagggttag 360
taaacaaggc agattgtcaa cttttccaat aaagcgtcac tatagtgtg aa 412
```

<210> 959

<211> 248

<212> DNA

<213> Homo sapiens

<400> 959

```
agacgggggt tcaccatatt ggttaagctg gtctgaagct cctgacctca aatgatccgc 60
ctcggcctcc caaagtgtcg gaattacagg cttgagccac catgcccagc caaccctata 120
gctttgtctc acctgggagg agctggagga caaaggactt cacagaagaa tggagtccca 180
aagaaacagc ttcagggaact gaggagagcc agaaatttaa tgtatttagg gctcccttgt 240
gaaaacac 248
```

<210> 960

<211> 455

<212> DNA

<213> Homo sapiens

<400> 960

```
tgactgaaac gctgaaccaa gcttggagct ggagcagcca ttttgggcca cgaggtagaa 60
gccatgtgtt gaagagaatg gaacaagatg gaagaaacct ggtgatcagg gagccgcat 120
aacagtcttg ggttgtctct gtttacatga gagatgagga aactgaggct cagagaggtt 180
aaatatcttc ctcaagaatt ttccgagag ctgggatttg aaccaaggct tgcttgactt 240
agaaggcagt ggtccttgct ttctcccag gagaaaggag cagagatacc taaagatgcc 300
tgactcccaa tcccatggga acatgcccc tgcgggctca ctctctctcc tctttgtctt 360
caatttctaa gaatgtcttc ttttactaa aacaaaacac tccagaatgc attctgcatg 420
aataaagact gccaaactca tggcagaaat aacat 455
```

<210> 961

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(443)

<223> n = A,T,C or G

<400> 961

gtaattcatg	cagctcctga	gacaagattc	taaccatgat	gaagttggaa	ccggagactt	60
ctacgagagg	atgagtcaaa	actcagtaag	aaaggcagtc	ctggctccct	gccatgcttc	120
tctcccctac	cctgctcaca	agggctgatg	tgtggctctc	caaccatcac	tccattgctc	180
ctcaagtgga	cagtgggaagg	acaaatgtat	ttcagcccca	aagcacaaat	cacctgattc	240
aaccctcatg	ggtgacctag	tcaagtggcc	acctctgggc	cctacatcag	cctgcccttc	300
cttttatcat	accacctgtc	taactgtatt	ataaggatct	ttttccatga	ctaaattttt	360
ttttgaaaac	aaaaaaaaaa	aagggncnng	gggnncnttn	nnntnggnct	tnannngggg	420
gaanttnttn	aaaagggggg	ggg				443

<210> 962

<211> 397

<212> DNA

<213> Homo sapiens

<400> 962

gagaacctcc	ggtgctgaag	aatagagagc	tgcccgcccc	gcctgggaga	aaccttcaga	60
tgcgcccccg	ttgttcccc	gccgacagag	gcttgatgcc	gcttcaagtg	cccgagttta	120
tttttgtcag	ccatcctctc	ctcccactcc	tcccaaagaa	agcattcagt	gagtcacgg	180
gagacccgga	gacatctgac	ggttgctcag	ctggtatccg	gccactgagg	ggaaggagga	240
gtgtgttgat	gtccccttgg	actctccttg	aagaaactgc	atagattcac	agactcctgg	300
aaaatcagaa	tccagaatgt	gcacatgata	cacgtttggt	gtgtgtgttt	atttgatttc	360
actcacggat	tcaacaaata	tttgttgatt	acctgcc			397

<210> 963

<211> 554

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (554)

<223> n = A,T,C or G

<400> 963

gaggaactga	cgagccttcn	tctaccacat	aaaaattgca	gcaaaccctg	cagctatcct	60
gaagctgcca	tgctgaaaaa	gccaatggg	agaccacata	gagaccgaga	gagacttcca	120
aggactccag	ccaatcctgg	gccccagcag	tttgaatctc	ccagcaatgc	caccatacag	180
gagagggagc	aaatactcan	aagattcaag	tgccagctgc	atgggttgat	acctacataa	240
aaggcattgg	cattattcac	aagagccaag	atatggaaat	aacctgtgtc	cattgacaga	300
cgaatagatg	agggaaacgt	ggcatatata	cacagtggaa	tattattcgg	acttaaaaaa	360
agaaggaaat	cctgaatcct	gctattttctg	acaacatgag	actgcaggac	gttatggaan	420
tggcccatca	tgctcttnta	aaactttnta	tccctcagnc	aanaaggggg	agcctattta	480
ccctggncct	tgaantggaa	naaggacttt	tgccctggcn	ttgtttttan	catccccttg	540
ntgaaaaaaa	aacc					554

<210> 964

<211> 131

<212> DNA

<213> Homo sapiens

<400> 964

atTTTTcttg	gattttatatt	ccctttcaat	ggcctactct	cagtgttggt	gtctgagctt	60
cctctgtgtg	gaacagaaga	tttttaaacc	tgtatatatta	tagcaaacia	tgaatctcta	120
aatagtcttc	c					131

<210> 965

<211> 305

<212> DNA

<213> Homo sapiens

<400> 965

gctgtgatga	acagaaagag	gccttgagga	gccgtgggac	tcaggagctg	gagccaggct	60
tgagacgggg	tccagaagga	gcaagatggg	atgcctttgg	actgagacct	taaattccac	120



ccagtttatt	acaaccatgc	tcactcctct	acctgccctg	ccccaatcgg	tgcaaactgc	180
cttctccagt	cttgcttcct	ctctaatacca	taggttggtct	ctgtttttaag	aaggcaagtg	240
gccagtgaga	gccttaaaact	accttagtgt	tctctaaata	agatatgcct	ccatggagtt	300
gtaag						305

<210> 966  
 <211> 601  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(601)  
 <223> n = A,T,C or G

<400> 966						
gtgattgcaa	atctatggat	gagaccaagg	gagaattttc	acgccatcat	agcattttat	60
tcctcacctg	actgggaaca	gctcgaagg	aaggacatgt	ctccaaagac	atgaggagta	120
ttcaacgtgg	cattcgaggc	gcaaggaaaa	acctgcctat	cccaagatct	cagccccatc	180
agccagccaa	gggatccaca	atgaccctta	tgaagtttca	taagggaagct	aattgcttaa	240
atgagatttg	agtcaagaag	gatgacctag	caataacctc	tatatatctc	attatgccaa	300
tacttaaatg	gctacataag	aggacagtcc	agtgacagac	atggaaagag	gcttagaggt	360
catctcattc	atcacaccat	tttacagagg	aaagcaaaat	gccatccaga	gaaggaaagt	420
cacaaagcca	tctaacccca	gacctgggag	tagcagctga	tcacagcggg	tcggacacaa	480
gaagctgctt	ncaaaaaatct	tttctttcat	ttggctacag	agaagacatc	agaaaacaaa	540
antttataac	atgggtctag	ctctaactca	ctattcacta	aaggggccaaa	ttaatagggg	600
a						601

<210> 967  
 <211> 161  
 <212> DNA  
 <213> Homo sapiens

<400> 967						
agacgtgagt	cttgctgtgt	tgccccgggt	ggctttgcct	ctggaactca	agcgatcctc	60
ccacctcagc	ctctcgagga	gctggggacta	caggcggtgca	ccatcatttc	ctcctaaaat	120
tgtatgtgct	gcatatataa	aatgataaat	gctttacata	t		161

<210> 968  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<400> 968						
cttctccaga	ctctgagtta	gaagcaaattg	aagattgggtg	gcaagagcac	ccactcctcc	60
tgcaagtgcg	ccagcagtga	agtaggaggc	ttggacacag	ggagagataa	atgtgggttc	120
ttctaagaca	gatgcaggat	ccagcttatt	ccttgaagtt	tccagtgttc	tgactcttac	180
tacttgacat	ccatcttttc	ttcatgacct	cctgctctat	aacttcaggc	tcagcaccaa	240
acagaataaa	cagttgaatt	aagtatggct	actacataag	gtcagatctc	tataataaat	300
tctttactct	acctc					315

<210> 969  
 <211> 280  
 <212> DNA  
 <213> Homo sapiens

<400> 969						
aaccacaaca	tttggagatt	accaacatgg	ttttcagccc	tcagcttttg	cgaagacttc	60
ttccttttca	ttcttttctg	ggcaaactcta	aaccttttga	gaagtagatg	agtgaagtca	120
attgcaaaga	agaggagtgt	gggacacaga	cttggtgtgag	gacacagggg	gaagacagcg	180
tctacaagcc	aaggagagaa	gactcaggag	gaaccagcct	tgccccacacc	ttgatcttgg	240
acttccagcc	tccagagcat	aagagaataa	atttctgttg			280

<210> 970  
 <211> 587  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(587)  
 <223> n = A,T,C or G

```
<400> 970
ctgtagtgca gtggcagcat cttggctcac tgcaacctcc acctcccagg ctcaagcaat 60
cctcccactg cagcctccga gtagctggga ctacaggcat gtgccaccat gctgggctaa 120
tggtcgtatt ttttgtaaag atgggggttc accatattgc ccaggctggt ttcgaactct 180
ttgagatcaa gtgatctgcc tgcctcagcc tcccaaagtg ctggaattac agtgctctga 240
atgaagtggc aaagactgag ggccttgggg agcaagtctt caactgccaa acagtcagtg 300
aacagataaa gaaccacaga aacagaggac tgggtcccagc naggctcaga cccccagcaa 360
ggagccagtc tgcactgacc cactgaagaa atggctcccc ggggcttgac tttgtatatt 420
aaaaaaagtc cgcaagtcaa cctaaagact gtagctttca accactgatg tctcgggtgn 480
acacttgaca tttggaaaaan tnggctgggc atttcacccc acccatcatg gtccctttnt 540
tttactgagg gtccaaaaca caaatcacc ttagaatcat ttggttt 587
```

<210> 971  
 <211> 485  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(485)  
 <223> n = A,T,C or G

```
<400> 971
gagggccact ggcctggaag accagacaga aggctgcaga ggctgggtgcc gctccacatc 60
cactcaggcc caagcctgac accttgaggg acacgctgga gacacgtgga aagttgacca 120
ggaacagagc caagtacttc ccaggctccg tgggcatcaa agggattgca ctttttccag 180
acccaatcca cagctgcagg cagcaggcag gagtctgcac tgacaaacga ctcacctctg 240
cacactgctt gattccagaa cctgcgttct gacaccgatc acacctgcca tcccctgccg 300
ggcccaacct cactcaggaa tgcctgcgac ccagcagcct gtcgtgggct gtgctgcgaa 360
tgccacacat gggccaggct cttcctcccg caggcctttc cagctgtcct ctgcagcttc 420
cttgagctcg ttctcttttt ctctgtgagg catgnaagtg agatgcatgc acccaccttg 480
gtatt 485
```

<210> 972  
 <211> 221  
 <212> DNA  
 <213> Homo sapiens

```
<400> 972
ccgctaaatc tgtgttgctg agcctgctgt ttgcatgcag gaatgtgaag gactgctcaa 60
gttggagata caaattgaag ccagccccag ttcaaaactg ttacaaatgg agtctgtagg 120
catgaggggc tgactatata actcagagtt ctccagtact ttactttaat aaagaacaca 180
atctttatta aaggataagt aataaaaatg tgttgatgtg c 221
```

<210> 973  
 <211> 582  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(582)  
 <223> n = A,T,C or G

```

<400> 973
ctaattgcaag agatacacca agctgagcaa caagaaaaga tctactgaaa gtctccttgg 60
ctttaccaag aaagttgccc tggaccctta ggtcacatag cctgaccatg ctgagatgaa 120
ccaatggtgc aaccacagga ggaacctaa tgctcagctg agaagcaggg actgaatcaa 180
gcagcagaca cgatgataaa gtttggtatg ttgtccctc aaaatctcat gttaaaatat 240
gacccaatg ttgagagtgg ggtctaata gggagtcctc ccaagaatgg cttagtggcc 300
tccaagagga aatggctggg aataagttaa cacgagattc ggttggttaa aagagcctag 360
caccctctcc cttctccctc gctccctctc ttgcatgtga cacacctgct tccccttgct 420
tctaccatga gtaaaagctt cctgagatct caccagaagc caagcagatg ctgggtgccat 480
gcttgctcagc ctgcanaact gtgagccaag taagcctctt ttctttataa attaccaat 540
ctcagggtttt catttataca atgaaaaaca aacccatatt ac 582

```

```

<210> 974
<211> 223
<212> DNA
<213> Homo sapiens

```

```

<400> 974
gtggctctcc ctgtgtgggt acaagatgac ccccgccgtg tcccagcaca ttcaggagga 60
acgttctgcc gtctcagaat cccagcgggg cacagcagga cagaaatgct ttctcttttt 120
taaaggactt accattccgt attctgagcc tcagtggctt atctcatgtc gtgagtccca 180
ttaagccagc cacttggtacc agctcaataa aatgctccaa tgg 223

```

```

<210> 975
<211> 536
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

```

```

<400> 975
gcctacagtc agctccaagc aacggcacag acacctctc ctccggatga ccaggattgc 60
ctctggggtt gtcacaagct ggaacagggt cctttggagg atggggctct gtgaagaaaa 120
agaggtgaag tggttggtatt cagtctgagc caaaggccac tttatctggg ttaaggaca 180
caagactccg tgaaagacaa gctagttctt ctctctgccc cgggagtcca ctgcaggccg 240
atgcagacgc aaccacttcc tcagccgctg ttggtgagag cccgccactg cactctatgg 300
gcttggtgct ggggtatggag aggaggggat gacatagccc ctgccctcag agttttttcc 360
tactcattat ccctgctgtc tctggggact tcttaaagt cagcaatcat tgtcatcttc 420
actgttgctc cgcagcaccg cacatggctg cacctggggc atctnctctg atgtaaaggc 480
tgtgcagcca aaatttgcaa ttcttcccc agctttttaa attgtgtaaa atatat 536

```

```

<210> 976
<211> 142
<212> DNA
<213> Homo sapiens

```

```

<400> 976
catcatgttg ccttttaata tggagcatgt gccatagctc tccaggagaa cccctctgtg 60
tcacagcgaa cctcgggtcac tgacactcaa aagaaggaa tattttcaact caataataaa 120
caaataaccc tatttttaaa cc 142

```

```

<210> 977
<211> 345
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G

```

<400> 977  
ctctaccatg tgaagattgt gcctgcttcc tctttgcctt ccaccatcat tgtaagtttc 60  
ccgaggcctc cccagctatg cctcctgcac agcctgcaga actattacag ggagcaactt 120  
gaatttaatn cttctgattc caagtgtggt gttctgcctg tgcatacggg agaaggacga 180  
caccagaggaa tgtgcccact gcagatggga gctggaagaa actgccgtta tgtggagctc 240  
aatgtctcct tttggttatt ttgatgcatg tttggggagg gacttttctg gtcccagtgc 300  
attgtcttga antttaaaag ttatccttaa aactcatgct tcctt 345

<210> 978

<211> 204

<212> DNA

<213> Homo sapiens

<400> 978  
aaacgaaaat ggacggccat atgtcacaag agaatgaaat ctttgctccc aatccctgtc 60  
ttcagagctg acctagaagc cagccactcc actcagaccc aattcggatc actatgttctg 120  
tgaggacttt aacagcatca ggagctccct ctgactgcta tatgaagaga actgcactcc 180  
tgcccagagca acagagcaag actg 204

<210> 979

<211> 309

<212> DNA

<213> Homo sapiens

<400> 979  
gcctctctgt tccttgagac acagcaatat tgaaattggg ccaatgaata accctacagt 60  
agcctatcat tcaactttggg gaacggaagc tggttgtagc aaccctatgt gagcctcctg 120  
tcctcagcta catcgatgag cttggcagtg aattatctag tcccatccaa gcttccagaa 180  
gactgcagcc ccagctgaca gcttgactgc aacctcatga atgtttctga gctaggacca 240  
cccagttgct tctgaattcc tcaccctcag aaactatgat acaataagtg ctgattattt 300  
taaattgct 309

<210> 980

<211> 589

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 980  
gtgggggtctt tcacaccgta aggcactcgg ntcctcggac ccaccccgctg tggaagagca 60  
tagctggggac cacacaccaa ccttccaagg acccactggg agccctactc acacggactg 120  
tgccagagagc cctggccaag gggttctcag tggggaatat gctcacttca tcttggaaga 180  
ttcagccaac tctccaccag aaagtcacat tcaacagccc ctaccctcga ccatggatga 240  
gagcaaatgc tccctgggag ccagccagat ctggatcctt tgaccattcc gacagcagtg 300  
atcgaggaac agaaatgccc agtgtctccc tgactggctg gggcatcatc cagaccaggc 360  
ctcctggctg cagcccctct cccaggctgt cctctgcaca agggctctgta gcaagttgca 420  
ggcggaggga ggacagccat cctcaagctg cgactcgcg tacgaacact ctntacaccc 480  
aggccttgag gtgtccatgg tctcctgggc agatcttggc caagggtgtg ctttaggtgg 540  
cctcatctgc gtccggnaga ngcctgccc cgggcgctt ggtttcttg 589

<210> 981

<211> 259

<212> DNA

<213> Homo sapiens

<400> 981  
cacacaacct ctgacaagga agaaaggcca caaggggatg ttgatcaaat ccaggtcaga 60  
actccatcaa ggtggacaga cactcaacgc cctggtagat aacaaagaca acggtggagc 120  
agcaataaag aaatctaaca aggtctcaaa ggaacagcaa atgaatttca attttaaaag 180

gacatgggtc attctagaaa tcaatgtgtg tgcaatccaa cagttccata tataaatacc 240  
 agaaaaatatt tatgaagcg 259

<210> 982  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<400> 982  
 gtgagcacac cagatgctgg agcactcctg ggaagagaaa cagaaagagg aggaggaagg 60  
 gtgccaaaaa caatgtctta tttggccatt tttcccttga ccctaattgct agaaaggaag 120  
 gagagaggga agcttaaata atttataaaa tcctgggtgaa ttgtcaatta agtaaactct 180  
 ttttaaaatt t 191

<210> 983  
 <211> 620  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(620)  
 <223> n = A,T,C or G

<400> 983  
 gcctcataac ctcagttggt actgatgctt gttttggttg tcaaagaaga atgaggagag 60  
 gagatatagg aggtgggact ggaggtttgt tcggagtcac tggctgcagc aagtctcctc 120  
 ccacacagcc gaccccatc ctcagacctg cactctgtac agcatggcta ctgaccaact 180  
 catggttaaa tgcgtaggag aaactgaagc acagctgagg tgcccacat cagtagagct 240  
 aggccagcat cagaggaagc tgggcctcca agccttctc ggactcagaa tcctcccagc 300  
 agatacccag gcagaggagt gtgaactctc agcccctaaa aagggttttt ctctattttc 360  
 catgagttag gatccatgat tacagtccag tccttaagc ataactctc agaaagagga 420  
 gcgacaagaa gcggatgtga gaaagtaaag agattttcag gcattaaaag catggaaaga 480  
 acaaggcagg ggagatgcct acccccctgc ctggaggact cttggcgctg tgctgggtnc 540  
 acttctggga aaaaagngct gaatgnccac tccatgcct tctgggtcaa aancccccc 600  
 tttgttgaat aaagattggt 620

<210> 984  
 <211> 495  
 <212> DNA  
 <213> Homo sapiens

<400> 984  
 gcagactggg tacagtggaa aactacagga tgcttggtcc acatcactac caaccatgtc 60  
 aactgcacag acacaaaagg caaacagggtg aatacagatc aacaagttgg tcagttcttt 120  
 gctaataagag ctgagccact gtcacttgct atggatgctg aggccctgaa caacctagag 180  
 gatctaaagg caacactgag atcactgacc cgagtcctt cccagcgatc ctaaaataga 240  
 tatcacattg cccagatggc aacattttct cagaggacct aaaatttagc cccttactga 300  
 tcttgagggt cctgaccctt catccaacag cctgccttc ttcttctcca cagcaatgaa 360  
 gagtgaaagg ggcggggtca ccctaatagaa ctgaatcaca ggagttaact gctaactcca 420  
 cctgggcaca atgggtcaga ccaaagtcta aagctcaaaa cagtaaagca gacatttaca 480  
 ttggttcaca caggt 495

<210> 985  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<400> 985  
 ccagccttct ggaaaattga tgtcattgct catagaatga atgatctcac aagataaaaag 60  
 tgtggatgac tcagagcagc tcatccatcc aactagagac tagagactgt caacagctca 120  
 gtaactttgt ctgaatatga aggaccgaa ggaccactga gattggagac agaacaaaag 180  
 ccacaggatt ctgctgcaaa ttctaacagg aggaggcaat ggcagccctt actaaaaccg 240

cagaactaca	ggaagaggat	ccctgagtg	gattcctgtg	tgaaaggcat	tttcaccttt	300
ttgtgtatct	tcagaatctt	aactttcatg	agagaagaat	agaaatgcaa	caatggaaca	360
atccactgta	tacacgtagc	tgacaattta	ataaacttga	aggaaatgct		410

<210> 986

<211> 316

<212> DNA

<213> Homo sapiens

<400> 986

gcatgaagct	gcctgacatc	taaggatctc	tgaagagaac	tgggacctga	aacccatctg	60
aaatgtatct	gcagacaggt	caagttcatc	gagagtcacc	tcctgcctga	cactccagtc	120
attaattcca	gccataacta	cagcttttat	tggacaagag	actgatttca	gcacttttcta	180
cagataagaa	gaccatcaac	catggattgg	ttctggccgg	tttccagaag	atacactgtt	240
acatgccttc	atgccctgaa	aaggcatttt	gatgtttagg	gcctagtgtg	gatacattta	300
aatgtctcat	ttctcc					316

<210> 987

<211> 295

<212> DNA

<213> Homo sapiens

<400> 987

ggcaagccag	tcatcggaag	aacaacacag	ccaccctaaa	gagaaagatg	agctgcgagg	60
cactgatggc	atgccactg	atgtgtatca	agtgcacgtc	ccgctgcgga	aagagacacg	120
tgttcctcca	aaaggcactc	tgcttttttaa	ctctcaggtc	tcagacaaca	aaccaaagac	180
actcctgaga	cttcagcagg	agtgccccag	acagtgcacg	agcatgtacg	atccatttct	240
tattttctct	atgtcatttc	cctgcagagt	caaaacaatg	cattcattta	aagtc	295

<210> 988

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(426)

<223> n = A,T,C or G

<400> 988

ttgaatacaa	ggatgtggtc	aactatactg	ttcttaccgt	tgaaaaagaa	gtgctgaggc	60
caggcatggt	ggctcacacc	tgtaatccca	gcactttggg	atgccgaggc	agctggatca	120
cttgtgggtca	agagttcaag	accagattgg	gcgacatgat	gaaaccccg	ctctactaca	180
aatacgaaaa	ttagccattg	tggtggcaca	cgctgtaat	cccagctact	caggaggccg	240
atgtgggaga	actgaaccct	ggaggtggag	attgcagtga	gccaagatgg	cgctactgtg	300
ctccagcctg	ggcaacaaag	caacactatg	ttttaaataa	ataaataagt	gctgagatct	360
cagaaaatac	aaaaaaaaaa	aggccagcga	ggccaattca	gnttggactt	anccaggctg	420
aacttg						426

<210> 989

<211> 327

<212> DNA

<213> Homo sapiens

<400> 989

gtctcgtaag	cagagacact	gactaccttg	tacgtggagt	acctctatct	agagtaaagg	60
atagttttcc	ttacagcctt	ggaagactga	gagagcatct	cctccctaga	aaaggacatc	120
catgcttact	gccctttata	aaagattcaa	gcttttctaag	ttcagggtgt	tgctccctgt	180
aatgaaaccc	actgtgtttc	caagtatcac	ctggccctcc	ctcttgatat	ccctcttttg	240
gaactggggc	tctaggaact	gggaaaggca	atgccaatac	tctggctatt	gctattactc	300
tgagtaataa	aagttcctca	tctctac				327

<210> 990

<211> 475  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(475)  
 <223> n = A,T,C or G

<400> 990  
 gatgagaccc aaccagaatg tcagaagagc tgctcccca atgtatatga agaagtaaag 60  
 tctaatagtg gaacaagggt tgtctgtggt gaacacaata atgtgccatc cagattgccc 120  
 ttcaagaagg gacttgctct aactgctaata agtgctgtca acaaaaagcc ttcatgggca 180  
 gattttcagg gacctcatca gatgcaaaga gacacttcac ccaatgtcat gtctttccca 240  
 atgtgatcca tacccaatga ctgattaaga tgggagtata agggccagac cactttgggtc 300  
 caaagcagga caactctgac aggtcatttt agtttcagac ctccccacag aagccatcaa 360  
 cactgccact ggacgaaaac tgtaactcta cttctccaca tgctcaatct tgnatccttg 420  
 ctctgccctc ataaatgttc atccaagggt acttccctaataaatattctg catac 475

<210> 991  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<400> 991  
 aaaatacata ccatcagaac aaggcaaaat ggaggttattc tacattgtat ccctctgtct 60  
 tttaaattct aaagagtcca tgttgtgagc atctcaagga agtgaggcct cctgccaatg 120  
 gccatgtgaa tgagcttgga agtggatctt ccagcctcag tcaagccttc agataactgc 180  
 agccccatct gacagtgtga ctgcaaccct atgaaagaac ctggggcaga accaccagc 240  
 taagctgctg ctggactcct gactctcaga aactgtgtga aataataaat gctttttgtt 300  
 ttaacct 307

<210> 992  
 <211> 305  
 <212> DNA  
 <213> Homo sapiens

<400> 992  
 atgtggctac cacaaaggga cctgaaggag actgctgaag accctgagac cctaagctct 60  
 gctaaccctt ttttgatga gaatctgtct tctcatggag cctaaagagt tgtgaagatg 120  
 ggtatggtgg ctacagctg tgatcccaac acttcggaag gctgaggcag acccctgaat 180  
 tccagcaacc agtttgaagt cccccacaga ggaacgggat ctgcaagaga atacagcttc 240  
 ttcattctcc tgtcccatga cttcatcctg tactctttaa caaataaaca attgccacac 300  
 ttcgg 305

<210> 993  
 <211> 326  
 <212> DNA  
 <213> Homo sapiens

<400> 993  
 ggaggaggca gcctcgTTTT tgcagccga gtcgtgggag ctgcccgtgt ccatgggtcat 60  
 gagaatatga acttcgagaa catctgacct gctgccacct ggccagtgtc ctgcctttga 120  
 ggagtccagg atttacaagc ctgctgttct caaccttggt tggcactaac acaccggaga 180  
 ccatcagtaa cgggtgggtct gcaaggcaca gatcttcacc agggatcctt ggggagaaac 240  
 caagcaaaact atttcctgac actagacagg cgtatccctc cctttgagaa aattcacttt 300  
 ctaaaaccat aaacaacagc tggttg 326

<210> 994  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

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<400> 994
atthttcaaact tagaagtgga aaagctactg aagcatctta caaggacata aagtcaaatt 60
tgacctcccc actgccttag ctttggcaaa tgaaagaaaa gcagaagtga tatgtgtcat 120
attggatgga aagaattccc ctgcccttct cctgtttcag tgattgcaga agcactcaag 180
ctgaagcctc cctccccctgt gtctatgagt cactctcatg agccatactt gccaccctgc 240
accagacatc tggcataagt gaggaataaa cctctgtgtg gaatgc 286

```

<210> 995

<211> 223

<212> DNA

<213> Homo sapiens

```

<400> 995
ctggcaaaaa gagccaatgt gggtaaacgc cattccagca gcacagccga ggaggagact 60
ccacgtggga ataaatcaag ttgaggcaga aactaaataa gaccccaatt ctaatttatt 120
aattcaatct tttgtctctca ttttatctaa cacatgaatc agttcaattt ccaagccatg 180
tgtgtctttcg atgtcaaata tataataaac taagttttca ctg 223

```

<210> 996

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (575)

<223> n = A,T,C or G

```

<400> 996
taaattcttgc tactgctcac tctttcggtc cacgctgctt ttatgagctg taacactcac 60
agcgaaaaatc tgccgcttca cttctgagcc cagcgagacc acgagcccac caggaggaac 120
gaacaactcc agacgtgctg ccttaagagc tgtaacactc accgcgaagg tctgcagctt 180
cactcctgag ccagagagac cacgaaccca ccagaaggaa gaaactctga acaccagaag 240
ggacagactc cagacacgcc accttaagag ctgtaacact caccgcgagg gtccnccggct 300
tcattcttga agtcagttag accaagaacc caccaattcc gggcacactt tctctttctt 360
tcttttgcct attaaacctg tgctcctaaa ctctctcatc gtgttcatgt tctaaatttt 420
cttggcacga gatgacgaac tggggatatt atccagacaa tgcggggcgt tcaacatgtg 480
cactgggtctg ntatggaaaa tgggtgnaatc ctgctaaaaa ttctctgtct ctgtacaca 540
agtgaaacct gacnttttca ttttggaac ataca 575

```

<210> 997

<211> 527

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (527)

<223> n = A,T,C or G

```

<400> 997
gcaagaaatg aacgtgatat tttctccgcc tcctntcttc tgactgagaa gatgattcct 60
ggagataatc cacttggtta tccgcggatg tgaacataat ttggaggcag cagtcaactc 120
agatggcccg ctgaagctgg gactcctgag ttaattttcaa gccaaatttc tcaactccctg 180
gaggagcaga gtggagggtg tgtgtgcatg gagaagtcca agatttcata tctggaaaag 240
aagactggga gaggccagca tgaatggcca ctgtcctcgc caaatctgga tggatgtct 300
taagtgatac ttgcaccagt gaagctgaag atcacaatta ctgcctcaaa tactcactgc 360
ctggaaaccg gccacctctg ctccaaaaca agggcttgct atgtgtctgac cttgtgtcca 420
agctccaccc ctgctgcttg ttccaacngt cttgtctctc gtcttctctc aatccgactg 480
cagtgggggt ggcaagtgtg ngtgtggggg gtgggaagtg gagatgt 527

```

<210> 998

<211> 373



<212> DNA

<213> Homo sapiens

<400> 998

```
gctggagtgga tcatgggtca ctgcagctcc aactcttggg cccaagggat cctcccgctt 60
cagcctctga gtacctgggg ctacagatgc atggccacca caccagggga aagtgtttac 120
ctcaactgcc aatttacgga ggatctctgt ggatggtaaa tcagagaaga gtgtgaaagg 180
attatgagca ggagaatgac atatttggac tatgtcccag agagacaaca ctgatgataa 240
tgaatataat cggctgaaag agaacaccag aacactgttt agaaggcaac tataacatct 300
caaattagtg acgactgtca tctgaacat ggagaagatt ttctaaaata aaactagtag 360
gaatttgtga ctt                                     373
```

<210> 999

<211> 332

<212> DNA

<213> Homo sapiens

<400> 999

```
atggaaaaac aagacaccaa gaggctaagt ggtttttacca aggatacgtg gcttggttaag 60
tgccaagctc tccatggcat attatgctgc cttccaagtg ccttaggctg tgtgttgact 120
ggggcatcct ctctgcaatc atggctgtga gtgatagggt gacttgccaa ctccctgatt 180
acctgccatc catggaaagt caacacctaa atatgtttgc ttatactact agataatata 240
tgactattat actgcaaata atctttttga agcaaattat aggaataaat tgagactaag 300
aacaataata aacttgggaa atttacaagg gc                                     332
```

<210> 1000

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(556)

<223> n = A,T,C or G

<400> 1000

```
caacgtgatg gctgcagtc agcatccatt gtggaccatg aggcaatctt gagaatggaa 60
accatacaat acaatagtc aagaggaaag gttggatcga tcagtgaagt ttcacagaag 120
ttgtgacatt tgggttggat cttgaaagat aatgggagct ttgaagggtga atgaaaaaag 180
aagtggaaaga acattccttg tagatggaac agcatatgcc aaagcacaga ggtccacatt 240
gcctttatga gctgtaatac tcaactgcga ggtctgcagc ttcactcctg aagccagcga 300
gaccacgaac ccaccgggag aaatgaacaa ctcccacgcg cggnccttaag aactgtaaca 360
ctcacggnaa aggtcgcact tcacttctga gctacgagac nccaaccnc naaaaggaaa 420
aacttccgac ccttccgaca ttcanaagga ccaactccaa ccccnctt aaaagttgac 480
cttncccgga agggtcggg gntttttnt tgaatccgng gaacccaaan cnccattcc 540
ggcccagttt taccct                                     556
```

<210> 1001

<211> 232

<212> DNA

<213> Homo sapiens

<400> 1001

```
ccctggcact gacccagct cggcaaccca gatgagagct aattttgggg aaatgacttc 60
gcctcttggg gtctcagtga gaaaacacca agaaccctc aaggagcagc tgcaggtgaa 120
gcgacgacat gcacagcatg catcagaccg cgctggacag aggcgcttgc tcctgtttct 180
acctctcccc acttcagagg attccttcaa taaaaatcaa tttccaaaca ag                                     232
```

<210> 1002

<211> 467

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(467)  
 <223> n = A,T,C or G

<400> 1002  
 ggagctcctg ctttagtncn aactgaggac ttttacanag gaagggaaac tcaactagac 60  
 cacctcagat gtcataaaga acactgactt ggcaccagaa gatctgtact cacgtcctaa 120  
 ttcttcaatt taacaagctt tgtggccttg gagaaactgg ctgacatttt tgagcttcag 180  
 ttttcacctt tgtaaaatga tgcagttgga ctttcctact ggtcctcaaa cttttgtgtc 240  
 atgcattcta tcaacgtttg aactctgtcc ttaccagcca gtttcatccc cactctgatt 300  
 nctcctccct ccaaccaaag aataaaagca gcaagcaaga aatctccttt tccaagcatg 360  
 acacttacat gtttataggc tgnctatggc ccttttcata atttgngctt ttcaattttt 420  
 tttctgggat ttaagtttta aaagaataaa ttttatcatg aatctat 467

<210> 1003  
 <211> 124  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(124)  
 <223> n = A,T,C or G

<400> 1003  
 aaangcatgg ctntgcctcc tcatttgaag ccactcang attgataata aagaaagtaa 60  
 ctttgaagta aacagggcca gtcttatgag tcttgagta ataaaatgat tctgtgcttt 120  
 gctc 124

<210> 1004  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(530)  
 <223> n = A,T,C or G

<400> 1004  
 actggacaag ccggcaccac cccatgattc aaggatggcc atagcccagt gcaggagcag 60  
 atttgcttcc agtttgccct tcctcctagc tgaactccag gctccagccc agagaagcaa 120  
 gaaaagagca aacagaagtt attcacatgt gcatcagaca cgcaatccat accacagcca 180  
 ccagggtgat tgtccaggtt gtatttctgc tgacatcgac ccttcatgcc ttcctcttgt 240  
 tgacccttcc agctacacct agctcgggtc tcttcagagc caccgccaaca cccagggttc 300  
 tctgcagtgc atccccatgg ggatttaccg ggcctccaca tgccagacca tcgttggtgg 360  
 acctcatcac cagcatgaag tgggctcttg gagttgtcga ctgactagtt cacaattagt 420  
 gactcatagc atctcactna tttcttttca tcaagtagga ggnagcaagt ctgcactttt 480  
 gcatcacatt ttaaaaaanat ctggngnggt gtttttttgc ccaaaactaa 530

<210> 1005  
 <211> 336  
 <212> DNA  
 <213> Homo sapiens

<400> 1005  
 gggggagaca gagtctcact atgtcactga agctggagtg caatggcatg atctcagctc 60  
 actgcaacct ctgcctccca ggttcaagtg actctcttgc ctcagcctcc tgagatgtgc 120  
 tccaccatgc ctggggaatt tttctatttt tagtagagac aggggtttcac catgttggtc 180  
 aggctgggtc cgaactcctg acctcgtgat ccaccaccca tggcattcca aagtgtctgg 240  
 attataggcg cgagctgctg cacctggccc cggttcactc ttgtgacaaa tttcttcatt 300  
 tgacaaaata aaagaaagaa tttcagtaca aaaatc 336

<210> 1006  
 <211> 534  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(534)  
 <223> n = A,T,C or G

<400> 1006  
 acagattctt gctctgtccg accaggctgg agtgcagtgg cccgatctca gctcactgca 60  
 acgtccacct .cccgagttca agcaattctt cggcctcagc ctcttgagta gctgggatta 120  
 cagatgtccc ccaccacgtc cggctaattt ttgtattttt agtagagacg gggttacacc 180  
 atgttagcca ggctgggtcat gaactcctga cctcatgac tgcccacttt gacctccaa 240  
 agtgctgaga ttacaggcgt gagccaccac gcccagctga aactgttctt taaactgggt 300  
 agcctatacc aatgtaaggc aatgttgagg agtagatgcg gcctctttcc tcaaagagag 360  
 atccagaaaa ggcttctgaa aacccaagac acttgaagat cattgtcctc tancaagtct 420  
 gaacaccatg gagaggccac agctgtgaaa aaaagaaaaan gatgggcccc ggttttacca 480  
 anggccccnt tcctggaatg aaaaggga aaaccnncct ttaaaaaaag agcc 534

<210> 1007  
 <211> 276  
 <212> DNA  
 <213> Homo sapiens

<400> 1007  
 atgtcacccc ttggaatcaa gctgccatac tgtgaggaag ctcaggctac atggagctgt 60  
 cacatgggtc tggccaagac agtccagcca acctctcagc caacagctag catcaaagcc 120  
 cagaatgatg agggagcaag cctttggatg attccagcaa ccagcttttg agctgcccc 180  
 actgagattc catgggtggca cctgggtggca cagagacaag ctgcccacc acgccctttc 240  
 tgaattcctg acctgaagaa taaatgatgt taagcc 276

<210> 1008  
 <211> 327  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(327)  
 <223> n = A,T,C or G

<400> 1008  
 cncctaaanc agggactggg gcttgnacgn tttggaanaa ttgcgtnggn taattgcttg 60  
 aagnncggga aaaaaaaaaa ccacctggcc ccagggtcaa aacctttgat tgaananagc 120  
 nccncctaaa aaactgtttt gcagaatcaa atgccacaga naagcanggt aaaatcaggg 180  
 gtggaaaaaa gaaccgcctg gggtccttg tcaacttttg tcctcatgtt tcccttggca 240  
 ttaataagaa atttaccana atgcnttttc gatnggatac caaagaagac attctggggt 300  
 taataaaata acctttttgt aattatg 327

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